Board of High School and Intermediate Education, United Provinces

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JANUARY, 1930—DECEMBER, 1931

January, 1930.		
1	Wed.	Third Conference of Teachers of Economics of Intermediate Colleges in the United Provinces.
2	Thur.	
3	Fri.	
4	Sat.	
5	Sun.	
6	Mon.	
7	Tues.	The Intermediate Education Act, 1921, was published under section 81 of the Government of India Act (1922).
8	Wed.	
9	Thur.	
10	Fri.	
11	Sat.	
12	Sun.	
13	Mon.	
14	Tues.	
15	Wed.	
16	Thur.	
17	Fri.	
18	Sat.	
19	Sun.	
20	Mon.	
21	Tues.	Meeting of the Committee of Courses in Commerce.
22	Wed.	
23	Thur.	Meetings of the Committees appointed by the Board. (23–29)
24	Fri.	
25	Sat.	
26	Sun.	
27	Mon.	
28	Tues.	
29	Wed.	
30	Thur.	Meeting of the Board.
31	Fri.	

February, 1930.		
1	Sat	
2	Sun.	
3	Mon	The regulations of the Board of High School and Intermediate Education, United Provinces, came into force (1923).
4	Tues	
5	Wed.	
6	Thur	
7	Fri	
8	Sat	
9	Sun.	
10	Mon	
11	Tues	
12	Wed	
13	Thur	
14	Fri.	
15	Sat.	
16	Sun.	
17	Mon.	
18	Tues	
19	Wed	
20	Thur.	
21	Fri	
22	Sat.	
23	Sun.	
24	Mon.	
25	Tues.	
26	Wed.	
27	Thur.	
28	Fri	

March, 1930.		
1	Sat.	
2	Sun.	
3	Mon.	
4	Tues.	
5	Wed.	
6	Thur.	
7	Fri.	
8	Sat.	
9	Sun.	
10	Mon.	
11	Tues.	
12	Wed.	
13	Thur.	
14	Fri.	
15	Sat.	
16	Sun.	
17	Mon.	
18	Tues.	
19	Wed.	
20	Thur.	
21	Fri.	
22	Sat.	
23	Sun.	
24	Mon.	The Board's examinations of 1930 commenced.
25	Tues.	
26	Wed.	
27	Thur.	
28	Fri.	
29	Sat.	
30	Sun.	
31	Mon.	

April, 1930.		
1	Tues.	Establishment of the Board of High School and Intermediate Education, United Provinces (1922).
2	Wed.	
3	Thur.	
4	Fri	
5	Sat	Extraordinary meeting of the Examinations Committee
6	Sun.	
7	Mon.	
8	Tues	
9	Wed	
10	Thur	
11	Fri	
12	Sat	Extraordinary meeting of the Curriculum Committee
13	Sun.	
14	Mon	
15	Tues.	Extraordinary meeting of the Recognition Committee.
16	Wed.	
17	Thur.	
18	Fri.	
19	Sat.	
20	Sun.	
21	Mon.	
22	Tues.	Inaugural meeting of the Board (1922).
23	Wed.	
24	Thur.	
25	Fri.	
26	Sat.	
27	Sun.	
28	Mon.	
29	Tues.	
30	Wed.	

May, 1930.

1	Thur.	
2	Fri.	
3	Sat.	
4	Sun.	
5	Mon.	
6	Tues.	
7	Wed.	
8	Thur.	
9	Fri.	
10	Sat.	
11	Sun.	
12	Mon.	
13	Tues.	
14	Wed.	
15	Thur.	
16	Fri.	
17	Sat.	
18	Sun.	
19	Mon.	
20	Tues.	
21	Wed.	
22	Thur.	
23	Fri.	
24	Sat.	
25	Sun.	
26	Mon.	
27	Tues.	
28	Wed.	
29	Thur.	
30	Fri.	
31	Sat.	

JUNE, 1930.

1	Sun.	
2	Mon	
3	Tues.	
4	Wed.	
5	Thur.	
6	Fri.	
7	Sat	
8	Sun.	
9	Mon	
10	Tues.	
11	Wed.	
12	Thur.	
13	Fri.	
14	Sat.	
15	Sun.	
16	Mon.	
17	Tues.	
18	Wed.	
19	Thur.	
20	Fri.	
21	Sat.	
22	Sun.	
23	Mon.	
24	Tues.	
25	Wed.	
26	Thur.	
27	Fri.	
28	Sat.	
29	Sun.	
30	Mon.	

July, 1930.		
1	Tues.	
2	Wed.	
3	Thur.	
4	Fri.	
5	Sat.	
6	Sun.	
7	Mon.	
8	Tues.	
9	Wed.	
10	Thur.	
11	Fri	
12	Sat.	
13	Sun.	
14	Mon.	
15	Tues.	
16	Wed.	
17	Thur.	
18	Fri.	
19	Sat.	
20	Sun.	
21	Mon.	
22	Tues.	
23	Wed.	
24	Thur.	
25	Fri.	
26	Sat.	Extraordinary meeting of the Examinations' Committee.
27	Sun.	
28	Mon.	
29	Tues.	
30	Wed.	
31	Thur.	

AUGUST, 1930.

1	Fri.	
2	Sat.	
3	Sun.	
4	Mon.	
5	Tues.	
6	Wed.	
7	Thur.	
8	Fri.	
9	Sat.	
10	Sun.	
11	Mon.	
12	Tues.	
13	Wed.	
14	Thur.	
15	Fri.	
16	Sat.	
17	Sun.	
18	Mon.	The first meeting of the first Board fully constituted (1922).
19	Tues.	
20	Wed.	
21	Thur.	
22	Fri.	
23	Sat.	
24	Sun.	
25	Mon.	
26	Tues.	
27	Wed.	
28	Thur.	
29	Fri.	
30	Sat.	
31	Sun.	

November, 1930.		
1	Sat.	
2	Sun.	
3	Mon.	Meetings of the Committees appointed by the Board.
4	Tues.	
5	Wed.	
6	Thur.	Annual meeting of the Board.
7	Fri.	
8	Sat.	
9	Sun.	
10	Mon.	
11	Tues.	
12	Wed.	
13	Thur.	
14	Fri.	
15	Sat.	
16	Sun.	
17	Mon	
18	Tues.	
19	Wed.	
20	Thur.	
21	Fri.	
22	Sat.	
23	Sun.	
24	Mon.	
25	Tues.	
26	Wed.	
27	Thur.	
28	Fri.	
29	Sat.	
30	Sun.	

DECEMBER, 1930.

1	Mon	
2	Tues	
3	Wed	
4	Thur	
5	Fri	
6	Sat	
7	Sun.	
8	Mon.	
9	Tues	
10	Wed.	The Intermediate Education Act, 1921, received the assent of the Governor-General (1921).
11	Thur.	
12	Fri.	
13	Sat.	
14	Sun.	
15	Mon	
16	Tues.	
17	Wed.	
18	Thur.	
19	Fri.	
20	Sat.	
21	Sun.	
22	Mon.	
23	Tues.	
24	Wed.	
25	Thur.	
26	Fri.	
27	Sat.	
28	Sun.	
29	Mon.	
30	Tues.	
31	Wed.	

November, 1930.

1	Sat.	
2	Sun.	
3	Mon.	Meetings of the Committees appointed by the Board.
4	Tues.	
5	Wed.	
6	Thur.	Annual meeting of the Board.
7	Fri.	
8	Sat.	
9	Sun.	
10	Mon.	
11	Tues	
12	Wed	
13	Thur.	
14	Fri.	
15	Sat.	
16	Sun.	
17	Mon.	
18	Tues	
19	Wed.	
20	Thur.	
21	Fri.	
22	Sat.	
23	Sun.	
24	Mon.	
25	Tues.	
26	Wed.	
27	Thur.	
28	Fri.	
29	Sat.	
30	Sun.	

December, 192[illegible]

1 Mon.
2 Tues.
3 Wed.
4 Thur.
5 Fri.
6 Sat.

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7 Sun.
8 Mon.
9 Tues.
10 Wed. The Intermediate Education Act, 1921, received the assent of the Governor General (1921)
11 Thur.
12 Fri.
13 Sat.

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14 Sun.
15 Mon.
16 Tues.
17 Wed.
18 Thur.
19 Fri.
20 Sat.

---

21 Sun.
22 Mon.
23 Tues.
24 Wed.
25 Thur.
26 Fri.
27 Sat.

---

28 Sun.
29 Mon.
30 Tues.
31 Wed.

November, 1930.		
1	Sat.	
2	Sun.	
3	Mon.	Meetings of the Committees appointed by the Board.
4	Tues.	
5	Wed.	
6	Thur.	Annual meeting of the Board.
7	Fri.	
8	Sat.	
9	Sun.	
10	Mon.	
11	Tues	
12	Wed.	
13	Thur.	
14	Fri.	
15	Sat.	
16	Sun.	
17	Mon.	
18	Tues	
19	Wed.	
20	Thur.	
21	Fri.	
22	Sat.	
23	Sun.	
24	Mon.	
25	Tues.	
26	Wed.	
27	Thur.	
28	Fri.	
29	Sat.	
30	Sun.	

December, 1930.

1	Mon	
2	Tues	
3	Wed	
4	Thur	
5	Fri	
6	Sat	
7	Sun.	
8	Mon	
9	Tues	
10	Wed.	The Intermediate Education Act, 1921, received the assent of the Governor-General (1921).
11	Thur.	
12	Fri.	
13	Sat.	
14	Sun	
15	Mon.	
16	Tues.	
17	Wed.	
18	Thur.	
19	Fri.	
20	Sat.	
21	Sun.	
22	Mon.	
23	Tues.	
24	Wed.	
25	Thur.	
26	Fri.	
27	Sat.	
28	Sun.	
29	Mon.	
30	Tues.	
31	Wed.	

January, 1931.		
1	Thur.	
2	Fri.	
3	Sat.	
4	Sun.	
5	Mon.	
6	Tues.	
7	Wed.	
8	Thur.	
9	Fri.	
10	Sat.	
11	Sun.	
12	Mon.	*Meeting of the Examinations' Committee.*
13	Tues.	Meetings of the Curriculum Committee and the Recognition Committee.
14	Wed	
15	Thur.	
16	Fri.	
17	Sat.	
18	Sun.	
19	Mon.	
20	Tues.	
21	Wed.	
22	Thur.	Meeting of the Committee of Courses in Commerce.
23	Fri.	
24	Sat.	
25	Sun.	
26	Mon.	
27	Tues.	
28	Wed.	
29	Thur.	
30	Fri.	} Meetings of the Committees appointed by the Board.
31	Sat.	

February, 1931.

1	Sun.	Meetings of the Committees appointed by the Board
2	Mon.	
3	Tues.	
4	Wed.	
5	Thur.	Meeting of the Board.
6	Fri.	
7	Sat.	
8	Sun.	
9	Mon.	
10	Tues.	
11	Wed.	
12	Thur.	
13	Fri.	
14	Sat.	
15	Sun.	
16	Mon.	
17	Tues.	
18	Wed.	
19	Thur.	
20	Fri.	
21	Sat.	
22	Sun.	
23	Mon.	
24	Tues.	
25	Wed.	
26	Thur.	
27	Fri.	
28	Sat.	

May, 1931.		
1	Fri.	
2	Sat.	Extraordinary meeting of the Curriculum Committee.
3	Sun.	
4	Mon.	Extraordinary meeting of the Examinations' Committee.
5	Tues.	
6	Wed.	
7	Thur.	
8	Fri.	
9	Sat.	
10	Sun.	
11	Mon.	
12	Tues.	
13	Wed.	
14	Thur	
15	Fri.	
16	Sat.	
17	Sun.	
18	Mon.	
19	Tues.	
20	Wed.	
21	Thur.	
22	Fri.	
23	Sat.	
24	Sun.	
25	Mon.	
26	Tues.	
27	Wed.	
28	Thur.	
29	Fri.	
30	Sat.	
31	Sun.	

June, 1931.

1	Mon.	
2	Tues.	
3	Wed.	
4	Thur.	
5	Fri.	
6	Sat.	
7	Sun.	
8	Mon.	
9	Tues.	
10	Wed.	
11	Thur.	
12	Fri.	
13	Sat.	
14	Sun.	
15	Mon.	
16	Tues.	
17	Wed.	
18	Thur.	
19	Fri.	
20	Sat.	
21	Sun.	
22	Mon.	
23	Tues.	
24	Wed.	
25	Thur.	
26	Fri.	
27	Sat.	
28	Sun.	
29	Mon.	
30	Tues.	

July, 1931.		
1	Wed.	
2	Thur.	
3	Fri.	
4	Sat.	
5	Sun.	
6	Mon.	
7	Tues.	
8	Wed	
9	Thur.	
10	Fri.	
11	Sat.	
12	Sun.	
13	Mon.	
14	Tues.	
15	Wed	
16	Thur.	
17	Fri	
18	Sat.	
19	Sun.	
20	Mon.	
21	Tues.	
22	Wed.	
23	Thur	
24	Fri.	
25	Sat	
26	Sun.	
27	Mon.	
28	Tues.	
29	Wed.	
30	Thur.	
31	Fri.	

August, 1931.

1	Sat	
2	Sun.	
3	Mon.	
4	Tues	
5	Wed.	
6	Thur	
7	Fri.	
8	Sat.	
9	Sun.	
10	Mon.	
11	Tues.	
12	Wed.	
13	Thur.	
14	Fri.	
15	Sat.	Meeting of the Sub-Committee appointed to consider the results of scrutiny of answer-books of failed candidates at the examinations of 1931.
16	Sun.	
17	Mon.	
18	Tues.	
19	Wed.	
20	Thur.	
21	Fri.	
22	Sat.	
23	Sun.	
24	Mon.	
25	Tues.	
26	Wed.	
27	Thur.	
28	Fri.	
29	Sat.	
30	Sun.	
31	Mon.	

September, 1931.

1	Tues.	
2	Wed.	
3	Thur.	
4	Fri.	
5	Sat.	
6	Sun.	
7	Mon.	
8	Tues.	
9	Wed.	
10	Thur.	
11	Fri.	
12	Sat.	
13	Sun.	
14	Mon.	
15	Tues.	
16	Wed.	
17	Thur.	
18	Fri.	
19	Sat.	
20	Sun.	
21	Mon.	
22	Tues.	
23	Wed.	
24	Thur.	
25	Fri.	
26	Sat.	
27	Sun.	
28	Mon.	
29	Tues.	
30	Wed.	

October, 1931.

1	Thur.	Last date of receiving applications from intending private candidates for the examinations of 1932.
2	Fri.	
3	Sat.	
4	Sun.	
5	Mon.	
6	Tues.	
7	Wed.	
8	Thur.	
9	Fri.	
10	Sat.	
11	Sun.	
12	Mon.	
13	Tues.	
14	Wed.	
15	Thur.	
16	Fri.	
17	Sat.	
18	Sun.	
19	Mon.	
20	Tues.	
21	Wed.	
22	Thur.	
23	Fri.	
24	Sat.	
25	Sun.	
26	Mon.	
27	Tues.	
28	Wed.	
29	Thur.	
30	Fri.	
31	Sat.	Meeting of the Committee regarding Vernacular medium of instruction.

November, 1931.		
1	Sun.	
2	Mon.	Meeting of the Curriculum Committee.
3	Tues.	Meeting of the Curriculum Committee and the Recognition Committee.
4	Wed.	Meeting of the Finance Committee and the Examinations' Committee.
5	Thur.	Annual meeting of the Board.
6	Fri	
7	Sat	
8	Sun.	
9	Mon	
10	Tues	
11	Wed	
12	Thur	
13	Fri.	
14	Sat.	
15	Sun.	
16	Mon.	
17	Tues.	
18	Wed	
19	Thur.	
20	Fri	
21	Sat.	
22	Sun.	
23	Mon.	
24	Tues.	
25	Wed.	
26	Thur.	
27	Fri.	
28	Sat.	
29	Sun.	
30	Mon.	

December, 1931.

1	Tues
2	Wed.
3	Thur.
4	Fri
5	Sat
6	Sun.
7	Mon.
8	Tues.
9	Wed.
10	Thur.
11	Fri.
12	Sat.
13	Sun.
14	Mon.
15	Tues.
16	Wed.
17	Thur.
18	Fri.
19	Sat.
20	Sun.
21	Mon.
22	Tues.
23	Wed.
24	Thur.
25	Fri.
26	Sat.
27	Sun.
28	Mon.
29	Tues.
30	Wed.
31	Thur.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES.

THE INTERMEDIATE EDUCATION ACT, 1921.

UNITED PROVINCES ACT No. II OF 1921.

[PASSED BY THE LOCAL LEGISLATURE OF THE UNITED PROVINCES OF AGRA AND OUDH.]

Received the assent of the Governor of the United Provinces of Agra and Oudh on the 30th September, 1921, and of the Governor General on the 10th December, 1921, and was published under section 81 of the Government of India Act on the 7th January, 1922.

An Act for the establishment of a Board of High School and Intermediate Education

WHEREAS it is expedient to establish a Board to take the place of the Allahabad University in regulating and supervising the system of High School and Intermediate education in the United Provinces, and to prescribe courses for English Middle classes, subject to the control of the Local Government: It is hereby enacted as follows :—

Short title, extent and commencement.

1. (1) This Act may be called the Intermediate Education Act, 1921.

(2) It extends to the territories for the time being administered by the Local Government of the United Provinces.

(3) It shall come into force on such date as the Local Government may, by notification in the Gazette, direct.

2. In this Act, and in all regulations made hereunder, unless there is anything repugnant in the subject or context.— Definitions.

(a) "Board" means the Board of High School and Intermediate Education;

(b) "Institution" means the whole of an institution, or a part thereof, as the case may be;

(c) "Minister" means Minister for Education in the United Provinces,

(d) "Recognition" means recognition for the purpose of preparing candidates for admission to the Board's examinations;

(e) "Regulations" *means regulations made by the* Board under this Act.

3. (1) The Board shall be established as soon as may be after this Act has come into force, and shall consist of— Constitution of the Board.

(a) the Director of Public Instruction (*ex officio* Chairman);

(b) two Principals of Intermediate colleges, maintained by Government, appointed by the Minister;

(c) four Principals of Intermediate colleges not maintained by Government, elected from among themselves;

(d) one head master of a High School maintained by Government, appointed by the Minister;

(e) two head masters of High Schools *not* maintained by Government, elected from among themselves;

(f) a representative of Engineering appointed by the Minister;

(g) a representative of Agriculture, appointed by the Minister,

(h) a member of the Medical profession, appointed by the United Provinces Medical Council;

(i) a member of the staff of a Training College for teachers, appointed by the Minister;

(j) a representative of Industries, appointed by the Minister;

(k) a lady appointed by the Minister to represent women's education;

(l) representatives elected by Universities established by law in the United Provinces, whose number shall be, as nearly as possible, one-third of the total number of the other members of the Board;

Explanation.—The number of representatives to be assigned to each University under clause (l) of sub-section (1) shall be fixed by the Minister;

(m) three members elected by the non-official members of the Legislative Council;

(n) one member each appointed by the Upper India Chamber of Commerce and the United Provinces Chamber of Commerce;

(o) one member each appointed by the British Indian Association and by the Agra Landholders' Association.

(2) Persons not more than three in number may be nominated by the Minister to secure the representation of minorities not otherwise adequately represented.

(3) The Board shall be authorized to co-opt persons, not exceeding three in number, on account of their possessing expert knowledge in subjects of study included in the courses prescribed by the Board.

Issue Register No.

Requisition for Papers.

Heading—

Month—

Nos.

Part—

File No.

Collection No.
(To be filled in by Duftry).

To be put up with—

Initials and date
(Year to be given)

Signature of Duftry
with date of supply.

SUBJECT (if necessary).

Filling of vacancies on expiry of term of office.

Publication of names

Powers of the Board.

S. 43.
MFP—300 S&P—(M 622)

(g) a representative of Agriculture, appointed by

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4. (1) Members other than *ex officio* and co-opted members shall hold office for a term of three years from the date of the notification published under section 6. Term of office of members.

(2) The term of office of co-opted members shall terminate on the same date as that of other appointed members

5. When the prescribed term of office of members other than *ex officio* members has expired the vacancies so caused shall be filled as soon as conveniently may be in accordance with sub-section (1) of section 3. Filling of vacancies on expiry of term of office.

6. The names of the persons who have been nominated or elected to be members of the Board, in accordance with sub-sections (1) and (2) of section 3 or with section 5, shall be published by notification in the Gazette. Publication of names

7. Subject to the provisions of this Act the Board shall have the following powers, namely :— Powers of the Board.

(1) To prescribe courses of instruction for the Intermediate classes and the High and Middle sections of English schools in such branches of education as it may think fit ;

(2) to grant diplomas or certificates to persons who:—

(a) have pursued a course of study in an institution admitted to the privileges of recognition by the Board ; or

(b) are teachers ; or

c) have studied privately under conditions laid down in the regulations, and have passed the examinations of the Board under like conditions ;

(3) to conduct examinations at the end of the High School and Intermediate courses ;

(4) to recognize institutions for the purposes of its examinations ;

(5) to admit candidates to its examinations ;

special meeting of the Board at which not less than one-half of the total number of the members are present.

(2) The Secretary shall, subject to the control of the Board, be the administrative officer of the Board. He shall be responsible for the presentation of the annual estimates and statement of accounts.

(3) He shall be responsible for seeing that all moneys are expended on the purpose for which they are granted or allotted.

(4) He shall be responsible for keeping the minutes of the Board.

(5) He shall exercise such other powers as may be prescribed by the regulations.

(6) He shall be entitled to be present and to speak at any meeting of the Board, but shall not be entitled to vote thereat.

Appointment and constitution of Committees

13. (1) The Board shall appoint Committees of Courses, an Examinations' Committee, a Committee for Recognition, a Finance Committee, and such other committees, if any, as may be prescribed by the regulations.

(2) Such committees shall consist of members of the Board and of such other persons, if any, as the Board in each case may think fit.

(3) A Committee may co-opt persons to serve thereon up to a limit of one-third of the total number of members of the Committee.

(4) Members of Committees other than co-opted members shall hold office for a period of three years

The term of office of co-opted members shall be one year :

Provided that the term of office of members of a Committee, whether they are members of the Board or not, shall not extend beyond that of appointed members of the Board.

14. All matters relating to the exercise by the Board of powers conferred upon it by this Act which have by regulation been delegated by the Board to any one of its committees shall stand referred to that Committee, and the Board, before exercising any such powers, shall receive and consider the report of the Committee with respect to the matter in question. Exercise of powers delegated by Board to Committees

REGULATIONS.

15. (1) The Board may make regulations for the purpose of carrying into effect the provisions of this Act. Power of Board to make regulations

(2) In particular and without prejudice to the generality of the foregoing power the Board may make regulations providing for all or any of the following matters, namely :—

(a) the constitution, powers and duties of committees ;

(b) the conferment of diplomas and certificates

(c) the conditions of recognition of institutions for the purposes of its examinations,

(d) the courses of study to be laid down for all certificates and diplomas ;

(e) the conditions under which candidates shall be admitted to the examinations of the Board and shall be eligible for diplomas and certificates,

(f) the fees for admission to the examinations of the Board,

(g) the conduct of examinations,

(h) the appointment of examiners and their duties and powers in relation to the Board's examinations ;

(i) the election of members to the Board under clauses (c) and (e) of sub-section (1) of section

3

(*j*) the admission of institutions to the privileges of recognition and the withdrawal of recognition;

(*k*) all matters which by this Act are to be or may be provided for by regulations;

(*l*) the conditions under which grants-in-aid shall be given to institutions recognized by the Board.

Previous publication and sanction of regulations made by Board

16. Regulations under section 15 shall not be made except after publication and shall not take effect until they have been sanctioned by the Minister and published in the Gazette.

Duty of Board to submit regulations and power of Minister to make regulations in default of Board.

17. (1) Within six months from the commencement of this Act or within such further period as the Local Government may fix in this behalf—

(*a*) the Board, as constituted under this Act, shall prepare a body of regulations for the sanction of the Minister;

(*b*) if any alterations in, or additions to, the draft regulations submitted appear to the Minister to be necessary, the Minister may, after consulting the Board, sanction the proposed body of regulations with such additions and alterations as appear to be necessary.

(2) If a draft body of regulations is not submitted by the Board within the period of six months from the commencement of this Act or within such further period as may be fixed under sub-section (*1*), the Minister may, within six months after the expiry of such period or of such further period, make, after previous publication, regulations which shall have the same force as if they had been prepared and sanctioned under sub-section (1).

18. All casual vacancies among the members (other than *ex officio* members) of the Board or of a committee appointed by the Board shall be filled, as soon as conveniently may be, by the person or body who appointed, elected, or co-opted the member whose place has become vacant and the person appointed, elected or co-opted to a casual vacancy shall be a member of the Board or Committee for the residue of the term for which the person whose place he fills would have been a member

Casual vacancies.

19. No act or proceeding of the Board or of a committee appointed by it shall be invalidated merely by reason of the existence of a vacancy or vacancies among its members.

Proceedings not invalidated by reason of vacancies.

20. (1) The Board and its Committees may make bye-laws consistent with this Act and the Regulations—

Power of Board and Committees to make bye-laws.

(*a*) laying down the procedure to be observed at their meetings and the number of members required to form a quorum ,

(*b*) providing for all matters which consistently with this Act and the Regulations are to be prescribed by bye-laws , and

(*c*) providing for all other matters solely concerning the Board and its committees and not provided for by this Act and the regulations

(2) The Board and its committees shall make bye-laws providing for the giving of notice to the members of the Board or Committee of the dates of meetings, and of the business to be considered at meetings, and for the keeping of a record of the proceedings of meetings.

(3) The Board may direct the amendment or recission of any bye law made by a Committee under this section, and the Committee shall give effect to any such direction

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(12) S. C. Chatterji, Esq. (Co-opted Member, Board).
(13) Miss C R Poovaiah, B A., Lady Principal, Crosthwaite Girls' College, Allahabad. (Co-opted Member)
(14) K. G. Saiyidain, Esq., Principal, Training College, Aligarh Muslim University, Aligarh. (Co-opted Member)
(15) Amir Chand Mehra, Esq, M A, Headmaster, Gur Narain Khattri High School, Cawnpore. (Co-opted Member)
(16) Shiva Nath Singh, Esq, B.A., L.T, Head Master, K D J High School, Maurawan (Co-opted Member.)

MEMBERS OF THE SUB-COMMITTEE TO SCRUTINISE APPLICATIONS FROM PRIVATE CANDIDATES FOR 1932.

(1) W. G P. Wall, Esq. (Member, Board), (Convener).
(2) The Inspectress of Girls' Schools, Allahabad Circle, Allahabad.
(3) Ganga Prasad, Esq, M.A., C.T., Head Master, D. A.-V. High School, Allahabad.
(4) The Secretary of the Board, Allahabad.
(5) A. M. Kureishy, Esq. (Member, Board).

MEMBERS OF THE OLD RESULTS COMMITTEE.

(1) The Director of Public Instruction, United Provinces, Allahabad (*Chairman*).
(2) Dr. K. N. Bahl (Member, Board)
(3) Dr. Tara Chand, M.A., D.Phil (Oxon.), (Member, Board).
(4) A. M. Kureishy, Esq , M.A. (Member, Board).
(5) The Secretary of the Board.

REPRESENTATIVES OF THE BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES, ON OTHER BODIES.

SENATE OF THE AGRA UNIVERSITY.

(1) Rai Bahadur Vikramajit Singh, B.A., LL B , M L C , } Members, Board.
(2) Pandit Amaranatha Jha, M A , }

OFFICERS OF THE NEW BOARD.

CHAIRMAN.

A H Mackenzie, Esq , M A , B Sc , C.I E., M.L.C , Director of Public Instruction, United Provinces Allahabad

SECRETARY

Rai Bahadur A C Mukerjee M A , I E.S.

MEMBERS OF THE NEW BOARD.

Appointed by the Minister under clause ( ), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

1. Faiyaz Bahadur Khan, Esq , M.Sc., L T , *Principal*, Government Intermediate College, Etawah, now acting as Additional Assistant Director of Public Instruction. United Provinces, Allahabad
2. Pandit Durga Datta Joshi, M Sc , Principal, Government Intermediate College, Fyzabad (September 26, 1931.)

Elected by the Principals of Intermediate Colleges not maintained by Government from among themselves under clause (c), sub-section (1) of section 3 of the Intermediate Education Act, 1921

3. Hira Lal Khanna, Esq., M.Sc., Principal, B. N. Sanatan Dharm Intermediate College, Cawnpore (July 25, 1931).

4. Lala Diwan Chand, M.A., Principal, D. A.-V. College, Cawnpore (July 25, 1931).

5. Gokal Chand, Esq., M.A., LL.B., Principal, Kayastha Pathshala Intermediate College, Allahabad (July 25, 1931)

6. The Rev. Dr. C. H. Rice, Ph.D., Principal, Ewing Christian College, Allahabad (July 25, 1931).

Appointed by the Minister under clause (d), sub section (1) of section 3 of the Intermediate Education Act, 1921

7. Munshi Muhammad Zainul Eba, M.A. Headmaster, Husainabad Government High School, Lucknow (September 26, 1931)

Elected by the Headmasters of High Schools not maintained by Government from among themselves under clause (e), sub-section (1) of section 3 of the Intermediate Education Act, 1921

8. Kali Das Kapur, Esq., M.A., L.T., Headmaster, Kali Charan High School, Lucknow (July 25, 1931).

9. Pandit Chandra Shekhar Vajpai, M.Sc., L.T., Headmaster, D. A.-V. High School, Muzaffarnagar (July 25, 1931).

Appointed by the Minister under clause (f), sub section (1) of section 3 of the Intermediate Education Act, 1921

10. Mohsin Ali, Esq., M.Sc., I.S.E., Professor of Civil Engineering Thomason College, Roorkee (September 26, 1931)

Appointed by the Minister under clause (g), sub section (1) of section 3 of the Intermediate Education Act, 1921

11. Rai Sahib Lala Anand Sarup, Muzaffarnagar (September 28, 1931)

Appointed by the United Provinces Medical Council under clause (h), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

12. Rai Bahadur Dr. Baij Nath Vyas, M.B. (Punjab), Reader in Materia Medica, King George's Medical College, Lucknow (January 10, 1929).

Appointed by the Minister under clause (i), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

13. H. Tinker, Esq., B.Sc., I.E.S., Principal, Training College, Allahabad (September 26, 1931).

Appointed by the Minister under clause (j), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

14. S. M. Bashir, Esq., B.Com., Bar-at-Law, Cawnpore. (September 26, 1931).

Appointed by the Minister under clause (k), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

15. Miss J. A. McReddie, B.A., Chief Inpectress of Girls' Schools, United Provinces, Allahabad September 26, 1931).

Elected by the Allahabad University under clause (l), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

16. Dr. D R Bhattacharya, D.Sc., Phd, Dean of the Faculty of Science, Allahabad University, Allahabad (January 10, 1929).

17. Pandit Amaranatha Jha, M.A., Reader in English, Allahabad University, Allahabad (January 10, 1929).

Elected by the Lucknow University under clause (l), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

18. Dr. K. N. Bahl, D.Phil, D.Sc., Professor of Zoology, Lucknow University, Lucknow (September 26, 1931).

19. N. K. Sidhanta, Esq., M.A., Professor of English, Lucknow University, Lucknow. (September 26, 1931).

Elected by the Benares Hindu University under clause (l), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

20. A. B. Dhruva, Esq., M.A., LL.B., Pro-Vice-Chancellor, Benares Hindu University, Benares. September 26, 1931).

Elected by the Aligarh Muslim University under clause (l), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

21. A. M. Kureishy, Esq., M.A., Professor, Aligarh Muslim University, Aligarh (August 27, 1931).

Elected by the Agra University under clause (l), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

22. Chhail Behari Capoor, Esq., B.A., LL.B., Beharipur, Bareilly (December 19, 1928)

23. Kalka Prasad Bhatnagar, Esq., M.A., LL.B., Professor, D. A.-V. College, Cawnpore (December 19, 1928).

24. Brij Gopal Nandi, Esq., B.A., Professor, St Andrew's College, Gorakhpur (January 10, 1929)

Elected by the non official members of the United Provinces Legislative Council under clause (m), sub-section (1) of section 3 of Intermediate Education Act, 1921.

25. Thakur Keshava Chandra Singh, M.Sc., LL.B., M.L.C., Banda. (October 17, 1931)

26 Thakur Girraj Singh, B.A., LL.B., M.L.C., Azamgarh (October 17, 1931).

27. E Ahmad Shah, Esq., M.A., B.Litt., M.L.C., Reader, Lucknow University, Lucknow (October 17, 1931)

Appointed by the Upper India Chamber of Commerce under clause (n), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

28. B. P. Srivastava, Esq., c/o The Cawnpore Dyeing and Cloth Printing Company, Ltd., Civil Lines, Cawnpore (August 27, 1931)

Appointed by the United Provinces Medical Council under clause (h), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

12. Rai Bahadur Dr. Baij Nath Vyas, M.B. (Punjab), Reader in Materia Medica, King George's Medical College, Lucknow (January 10, 1929).

Appointed by the Minister under clause (i), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

13. H. Tinker, Esq , B.Sc., I.E.S., Principal, Training College, Allahabad (September 26, 1931).

Appointed by the Minister under clause (j), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

14. S. M. Bashir, Esq., B Com., Bar-at-Law, Cawnpore. (September 26, 1931).

Appointed by the Minister under clause (k), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

15. Miss J. A. McReddie, B.A., Chief Inpectress of Girls' Schools, Uhited Provinces, Allahabad September 26, 1931).

Elected by the Allahabad University under clause (l), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

16. Dr. D. R. Bhattacharya, D.Sc., Phd., Dean of the Faculty of Science, Allahabad University, Allahabad (January 10, 1929).

17. Pandit Amaranatha Jha, M.A., Reader in English, Allahabad University, Allahabad (January 10, 1929).

Elected by the Lucknow University under clause (l), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

18. Dr. K. N. Bahl, D.Phil., D.Sc., Professor of Zoology, Lucknow University, Lucknow (September 26, 1931).

19. N. K. Sidhanta, Esq., M.A., Professor of English, Lucknow University, Lucknow. (September 26, 1931).

Elected by the Benares Hindu University under clause (l), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

20. A. B. Dhruva, Esq., M.A., LL.B., Pro-Vice-Chancellor, Benares Hindu University, Benares. September 26, 1931).

Elected by the Aligarh Muslim University under clause (l), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

21. A. M. Kureishy, Esq., M.A., Professor, Aligarh Muslim University, Aligarh (August 27, 1931).

Elected by the Agra University under clause (l), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

22. Chhail Behari Capoor, Esq., B.A., LL.B., Beharipur, Bareilly (December 19, 1928)

23. Kalka Prasad Bhatnagar, Esq., M.A., LL.B., Professor, D. A.-V College, Cawnpore (December 19, 1928)

24. Brij Gopal Nandi, Esq., B.A., Professor, St Andrew's College, Gorakhpur (January 10, 1929)

Elected by the non-official members of the United Provinces Legislative Council under clause (m), sub-section (1) of section 3 of Intermediate Education Act, 1921.

25 Thakur Keshava Chandra Singh, M.Sc., LL.B., M.L.C., Banda. (October 17, 1931).

26 Thakur Giriraj Singh, B.A., LL.B., M.L.C., Azamgarh (October 17, 1931).

27. E. Ahmad Shah, Esq., M.A., B.Litt., M.L.C., Reader, Lucknow University, Lucknow (October 17, 1931)

Appointed by the Upper India Chamber of Commerce under clause (n), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

28. B. P Srivastava, Esq., c/o The Cawnpore Dyeing and Cloth Printing Company, Ltd., Civil Lines, Cawnpore (August 27, 1931)

Appointed by the United Provinces Chamber of Commerce under clause (n), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

29. B. N. Chopra, Esq., Assistant Secretary, United Provinces. Chamber of Commerce, Cawnpore.

Appointed by the British India Association under clause (o), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

30. Rai Bahadur Mathura Prasad Mehrotra, B.A., Biswan, district Sitapur.

Appointed by the Agra Landholders' Association under clause (o), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

31. Rai Bahadur Shyam Lal, M.A., LL.B., Nawabganj, Cawnpore (August 27, 1931).

Nominated by the Minister under sub-section (2) of section 3 of the Intermediate Education Act, 1921

32. Khan Bahadur Hafiz Hidayat Husain, B.A., Bar-at-Law, M.L.C., Civil Lines, Cawnpore (January 28, 1929).

33. Dr. Sam Higginbottom, M.A., B.Sc., D.PHIL.AN, Principal, Agricultural Institute, Naini, Allahabad (January 28, 1929)

34. Khan Bahadur Maulvi Muhammad Ubaid-ur-Rahman Khan, M.L.C., Habibganj, Aligarh (January 28, 1929).

Co-opted by the Board of High School and Intermediate Education, United Provinces, under sub-section (3) of section 3 of the Intermediate Education Act, 1921.

35.
36. } *Not yet co-opted.*
37.

MEMBERS OF THE NEW COMMITTEES.

(Not yet appointed.)

REGULATIONS

of the

Board of High School and Intermediate Education, United Provinces.

N.B.—These regulations are subject to amendment from time to time as the Board may determine. Notice of such amendments will be given in the Gazette.

CHAPTER I

DEFINITIONS

In these regulations, unless there is anything repugnant in the subject or context, the following terms shall have the following meaning:—

(1) "Chairman" means the Chairman of the Board of High School and Intermediate Education, United Provinces.

(2) "College" means an educational institution preparing candidates for the Intermediate examination, or the Intermediate Examination in Commerce or the Intermediate Examination in Agriculture of the Board, and recognized by the Board for such a purpose.

(3) "Department" means the Department of Public Instruction in the United Provinces.

(4) "Director" means the Director of Public Instruction in the United Provinces.

(5) "Guardian" means the natural or legal guardian, or a person approved by the head of the institution concerned as the guardian of a student for the purposes of these regulations.

(6) "Head Master" means the head of a High School recognized by the Board.

(7) "High School" means an educational institution preparing candidates for the High School

Appointed by the United Provinces Chamber of Commerce under clause (n), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

29. B. N. Chopra, Esq., Assistant Secretary, United Provinces, Chamber of Commerce, Cawnpore.

Appointed by the British India Association under clause (o), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

30. Rai Bahadur Mathura Prasad Mehrotra, B.A., Biswan, district Sitapur.

Appointed by the Agra Landholders' Association under clause (o), sub-section (1) of section 3 of the Intermediate Education Act, 1921.

31. Rai Bahadur Shyam Lal, M.A., LL.B, Nawabganj, Cawnpore (August 27, 1931).

Nominated by the Minister under sub-section (2) of section 3 of the Intermediate Education Act, 1921.

32. Khan Bahadur Hafiz Hidayat Husain, B.A., Bar-at-Law, M.L.C., Civil Lines, Cawnpore (January 28, 1929).

33. Dr. Sam Higginbottom, M.A., B.Sc., D PHILAN, Principal, Agricultural Institute, Naini, Allahabad (January 28, 1929).

34. Khan Bahadur Maulvi Muhammad Ubaid-ur-Rahman Khan, M.L.C., Habibganj, Aligarh (January 28, 1929).

Co-opted by the Board of High School and Intermediate Education, United Provinces, under sub-section (3) of section 3 of the Intermediate Education Act, 1921.

35.
36. } *Not yet co-opted.*
37.

MEMBERS OF THE NEW COMMITTEES.

(Not yet appointed.)

REGULATIONS

of the

Board of High School and Intermediate Education, United Provinces.

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(7) "High School" means an educational institution preparing candidates for the High School

Examination of the Board and recognized by the Board for such a purpose.

(8) "Inspector" means an inspecting officer of the Education department.

(9) "Principal" means the head of a College.

(10) "Private candidate" means a candidate for admission to an examination conducted by the Board who has not, during the session preceding the examination, been studying at an educational institution of any kind.

(11) "Regular course of study" means a course of study prescribed by the Board.

(12) "Scholar's Register" means the register containing the record of a scholar's progress kept in the prescribed form* by the institution to which he belongs.

(13) "Secretary" means the Secretary of the Board of High School and Intermediate Education, United Provinces

(14) "Session" means the period for which an institution is open for tuition during the twelve months commencing with the formation of new classes

CHAPTER II.

THE BOARD.

1. The Board shall meet ordinarily in the months of November and February.

2. The meeting of the Board held in the month of November shall be deemed to be the annual meeting of the Board.

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* The prescribed form is given in the United Provinces Educational Code.

CHAPTER III

THE SECRETARY.

1. All meetings* of the Board shall be convened through the Secretary.

2. The Secretary shall conduct the official correspondence of the Board under the authority of the Chairman.

3. All fees and dues payable to the Board, and all sums received by the Secretary in his capacity as such, shall be credited without delay into the Government Treasury.

4. The Secretary shall be responsible, subject to the control of the Examinations' Committee, for making arrangements for the holding of the Board's examinations.

5. The Secretary shall receive and, subject to the control of the Examinations' Committee, deal with applications from candidates for admission to the Board's examinations

6. It shall be the duty of the Secretary, on behalf of the Board, to issue certificates in the prescribed form to successful candidates of having passed the Board's examinations.

7. The Secretary shall have charge of the Board's library, and shall submit books received by him for consideration as text-books, etc., to the Committee concerned in accordance with the procedure laid down *by the Board from time to time*

8. The Secretary shall annually in the month of March furnish the department with a list of schools and colleges recognized for the purposes of the Board's

* A Press note giving a brief report of the proceedings of the Board is published in the *United Provinces Government Gazette* and issued to the papers as soon after each meeting as possible (*vide* Board's Resolution no. 9, dated the 17th, 18th and 19th August, 1922).

examinations, specifying the optional subject or subjects in which recognition has been granted.

9. The Secretary shall perform such other duties as may be assigned to him by the Board or may be necessary for the carrying out of its decisions.

CHAPTER IV.

COMMITTEES OF THE BOARD.

1 In addition to the committees specified in section 13(1) of the Intermediate Education Act, 1921, the Board shall appoint the following other committees :—

(a) a curriculum committee to consider general questions relating to the curriculum ,

(b) a committee to bring out the results of examinations

2. The number of members appointed by the Board to any committee shall, unless otherwise specified, be not less than three and not more than five.

3 Election of members to fill up ordinary vacancies in committees of the Board shall be held at the meeting of the Board immediately following the occurrence of the vacancy and members shall hold office from the date of election.

4 Except in the case of the Examinations' Committee, the Board shall appoint, at its annual meeting, a member of each committee to be Convener of the committee. In the event of the Convener ceasing to hold office, the committee shall appoint a substitute from among its own members to hold office till the next annual meeting of the Board.

5. The Secretary of the Board shall act as Secretary of the Examinations' Committee, and shall perform the functions performed by the Convener in other committees. Unless elected a member of the committee, he will not have a vote.

6. No person shall be a member of more than two of the following Committees —

(a) The Examinations' Committee
(b) The Finance Committee
(c) The Recognition Committee
(d) The Curriculum Committee.

CHAPTER V.

COMMITTEES OF COURSES.

1 The Board shall appoint Committees of Courses in the following subjects which may be grouped in such manner and with such additions and alterations as the Board may from time to time decide :—

(1) English.
(2) Sanskrit
(3) Arabic and Persian
(4) Urdu.
(5) Hindi.
(6) History and Civics
(7) Geography.
(8) Bengali, Marathi and Gujarati
(9) Greek, Latin, Hebrew and Modern European Languages (French and German).
(10) Mathematics.
(11) Physics.
(12) Chemistry.
(13) Biology
(14) Agriculture (including all subjects for the Intermediate Examination in Agriculture, except English, Botany and Elementary Zoology).
(15) Drawing, Manual Training, Metal Work, Book-binding, and Spinning and Weaving.

examinations, specifying the optional subject or subjects in which recognition has been granted.

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CHAPTER IV.

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4. Except in the case of the Examinations' Committee, the Board shall appoint, at its annual meeting, a member of each committee to be Convener of the committee. In the event of the Convener ceasing to hold office, the committee shall appoint a substitute from among its own members to hold office till the next annual meeting of the Board

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(9) Greek, Latin, Hebrew and Modern European Languages (French and German).

(10) Mathematics.

(11) Physics.

(12) Chemistry.

(13) Biology.

(14) Agriculture (including all subjects for the Intermediate Examination in Agriculture, except English, Botany and Elementary Zoology).

(15) Drawing, Manual Training, Metal Work, Book-binding, and Spinning and Weaving.

(16) Commerce (including all subjects for the Intermediate Examination in Commerce except English and Commercial Geography)

(17) Logic.

(18) Economics.

(19) Indian Music

(20) Domestic Science, Physiology, Hygiene and Child-Study (for girls only).

(21) General Science (Physics, Chemistry and Biology).

(22) Physiology, Hygiene and Elementary Psychology (for boys only).

2 Committees of Courses shall be constituted for such other subjects of study as may from time to time be prescribed by the Board.

3. Each Committee of Courses shall lay down a syllabus in the subject with which it is concerned and recommend or prescribe suitable text-books, when considered necessary, in conformity with that syllabus.

4. Every Committee of Courses shall ordinarily meet in the month of February every year, and draw up courses three years ahead of the examinations for which they are intended to be prescribed The draft courses proposed by the Committee shall be circulated, as soon as may be, among the members of the Board and sent to the Curriculum Committee. Any observations made by the Curriculum Committee or by members of the Board in regard thereto shall be communicated by them direct to the Convener concerned before the end of August in the same year. If, in the opinion of the Convener, the nature of the criticisms received justifies the reconsideration of the courses drawn up by the Committee, he shall summon another meeting of the Committee to reconsider the courses or ascertain by correspondence the views of the members

of the Committee on the suggestions received; otherwise the courses drawn up shall be taken to be finally approved by the Committee.

5. The courses as finally approved by the Committee shall be submitted, along with such observations as the Curriculum Committee may have made, to the Board at its annual meeting by the Convener or by some other member of the Committee who is a member of the Board and is present at the annual meeting.

6. The courses, as finally approved and sanctioned by the Board, shall be printed in the prospectus and issued by the Secretary not less than two years before the date of the examination for which those courses have been prescribed

7. If the Board is of opinion that a recommendation made by a Committee of Courses requires reconsideration it may refer the matter back to the Committee After considering the views of the Committee upon its reference, the Board shall decide the matter.

8. A Committee may bring to the notice of the Board any matter connected with the examinations or courses in respect of the subject or subjects with which it is concerned.

9. Any two or more Committees of Courses may and, at the request of the Board, shall meet and render a joint report upon any matter with which they are severally and jointly concerned.

CHAPTER VI.

THE EXAMINATIONS' COMMITTEE.

It shall be the duty of the Examinations' Committee, subject to the sanction and control of the Board,—

(a) to order examinations in conformity with the regulations and to fix dates for holding them;

(*b*) to consider the recommendations of the Committees of Courses with regard to examiners and to prepare lists of examiners for the approval of the Board,

(*c*) to appoint Boards of Moderators on the recommendation of the Committees of Courses;

(*d*) to propose maximum and minimum marks for each subject and for each part of a subject, after receiving recommendations from the Committees of Courses concerned;

(*e*) to frame rules for the award of grace marks;

(*f*) to prescribe forms of application to be filled up by candidates applying for permission to appear at examinations, and forms of certificates to be granted to successful candidates;

(*g*) to fix rates of honorarium for examiners, invigilators and others;

(*h*) to propose the opening and closing of centres of examination,

(*i*) to prescribe the mode of conducting the oral and practical tests, if any,

(*j*) to appoint tabulators for the examinations conducted by the Board,

(*k*) to consider all other matters arising out of the conduct of examinations, and to make recommendations, where necessary, to the Board.

2 The Examinations' Committee shall appoint a Sub-Committee to scrutinize applications from private candidates for permission to appear at the Board's examinations

CHAPTER VII.

RECOGNITION OF INSTITUTIONS BY THE BOARD.

1. The Committee of Recognition shall consist of seven members, at least five of whom shall be elected by the Board.

2. Its duties shall be to scrutinize applications for recognition, to call for other information necessary for purposes of recognition, and to perform such other duties as may be delegated to it by the Board.

3 An institution desiring to be recognized for the purposes of an examination conducted by the Board shall not later than the 31st of October in the year preceding that in which it proposes to open classes in preparation for an examination, apply* to the Secretary for permission to send up candidates.

4 On receipt of an application for recognition, the Secretary shall forward it to the Inspector of Schools within whose jurisdiction the institution is situated with a request for a local enquiry and a report and recommendation regarding the fitness of the institution for recognition In the case of an Intermediate College the Director of Public Instruction may associate with the Inspector, for the purposes of the local enquiry and report, one or more persons who will be chosen from a list of persons nominated by the Board Such persons shall be actually engaged in the work of teaching in the United Provinces The report shall be submitted to the Recognition Committee through the Director of Public Instruction, who will add his comments and recommendations, if any.

5 Applications for recognitions shall set out in detail the following particulars, upon which the inspecting authority should make its report and recommendation —

(a) whether there is a real need of the institution in the locality;

(b) the constitution of the governing body, if any;

(c) the name of the manager or secretary or correspondent, as the case may be;

*The prescribed application forms are printed at the end of these Regulations

(*d*) the qualifications and rates of pay of the teaching staff ;

(*e*) the examination or examinations for which it desires recognition ;

(*f*) the subject or subjects of instruction in which the institution undertakes to make provision ;

(*g*) the accommodation provided in class-rooms and in hostels ;

(*h*) the provision made for the health, recreation and discipline of scholars ;

(*i*) the financial position of the institution and the sources and amount of income ;

(*j*) the scale of fees charged and the provision, if any, for the admission of poor scholars ;

(*k*) the number of scholars in each class or section of a class.

6. Any other information which the Board may call for in connection with the application shall be supplied by the institution through the inspecting authority.

7. The inspecting authority in forwarding its report shall state whether, and in what subjects or on what conditions, recognition should, in its opinion, be granted.

8. No institution shall be recognized unless it agrees to comply with the following requirements :—

(*a*) it shall, in the case of a High School, be open to inspection by the inspecting officers of the department, and in the case of an Intermediate College by the inspecting officer of the department with whom the Director of Public Instruction may, for purposes of formal

inspection, associate one or more persons chosen from the list referred to in Regulation 4;

(b) all information and returns called for by the department or the Board shall be duly furnished;

*(c) it shall not prepare and send up candidates for a rival examination (High School, Intermediate, Intermediate in Commerce or Intermediate in Agriculture) when an examination of the same nature and similar standard is held by the Board;

(d) it shall make suitable arrangements for the health, recreation and supervision of boarders and for the sanitation of its premises generally.

8A. An Intermediate College comprising classes III to XII may be recognized, provided its total enrolment does not exceed five hundred and provided further, a head master is appointed in charge of the junior section of the College; but in case the total enrolment exceeds five hundred, classes IX to XII or VII to XII should be formed into a separate institution.

9. If satisfied that an institution is deserving of recognition, the Board shall direct the Secretary to enter its name upon a list of recognized institutions to be kept by him, *and the Secretary shall inform the institution* and the Inspector of the division in which it is situated in which subjects, on what conditions, and for what examination or examinations it has been recognized.

10 Where an institution desires to add to the subjects of instruction in respect of which recognition has

* This clause does not apply to the Cambridge School Certificate Examination in the case of European schools.

been granted, the procedure prescribed by the foregoing regulations shall, as far as may be, be followed.

11. An institution recognized by the Board for the purposes of any of its examinations shall submit to the department annual returns giving the personnel and pay of the teaching staff. Any change in the management shall be communicated as soon after the change as possible.

12. The department shall forward to the Secretary copies of all notifications from a recognized institution communicating changes in management and in the number, qualifications and salaries of the teaching staff, the result of which, in its opinion, affects the fitness of the institution for continued recognition by the Board

13. If the department is of opinion that any institution recognized by the Board has, by reason of deterioration, ceased to meet the requirements of the Board, the department shall make a report to the Board On receipt of the department's report the Board may, through the Divisional Inspector, institute such enquiry as it thinks fit. The report of the Inspector will be submitted to the Board through the Director of Public Instruction, who will add his comments, if any, and the Board will take the report into consideration at its next meeting and inform the department of its decision In the case of an Intermediate College the Director of Public Instruction may associate with the inspector for the purpose of the enquiry one or more persons chosen from the list referred to in Regulation 4.

14. In any case in which the Board may decide that action is necessary upon the report, it will first call upon the authorities through the department to show cause why such action should not be taken.

15. No action shall be taken by the Board on any report by the department without first giving the institution concerned an opportunity of making any representation it may wish to make through the department to the Board.

16. The Board shall, if satisfied that the institution is no longer fit for recognition, direct the Secretary to issue a warning to the governing body through the department that unless within a period fixed by the Board the institution removes the defect or defects to which attention has been called, it will be struck off the list of recognized institutions or that recognition will be withdrawn in one or more optional subjects. The Board shall have power to extend from time to time the period so fixed

17 If within the time fixed by the Board, or within such further time as may be allowed by it, the institution fails to satisfy the Board that it is conforming to its requirements, the Board shall strike the institution off the list of recognized institutions or shall withdraw recognition in one or more optional subjects.

18. The Board may, at a subsequent date, after report by an Inspector, re-instate an institution on the ist of recognized institutions, or, if recognition was withdrawn in one or more optional subjects, restore to it the privileges of preparing candidates therein.

19. No institution shall be recognized in any branch of experimental science unless it satisfies the Board—

(a) that the number of students assigned to a single teacher in practical work at one time does not exceed 20;

(b) that suitable and, in the case of Intermediate classes, separate laboratories for each branch of experimental science are provided, and that each of them is adequately equipped.

CHAPTER VIII.

THE FINANCE COMMITTEE.

1. The Finance Committee shall act as an advisory body in all matters concerning the finances of the Board.

2. It shall consist of—

(a) the Assistant Director of Public Instruction, *ex-officio* Convener;

(b) one Principal of an Intermediate College not maintained by Government, who is a member of the Board;

(c) one representative of the non-official members of the Legislative Council, who is a member of the Board;

(d) four other members elected by the Board.

3. The annual financial statement of the Board shall first be laid before the Finance Committee before being submitted to the Board.

4. The Finance Committee shall also see the schedules of new demands proposed to be included in the budget relating to institutions recognized by the Board, and submit its views thereon for the consideration of the Board.

CHAPTER IX.

THE CURRICULUM COMMITTEE.

1. The number of members appointed to the Curriculum Committee by the Board shall be fifteen, of whom at least twelve shall be members of the different Committees of Courses.

2. The duties of the Curriculum Committee shall be—

(a) to consider the total number of compulsory and optional subjects for each of the Board's examinations;

(b) to arrange the standards of the courses for the Middle, High School and Intermediate stages in a regular graded order;

(c) to recommend curricula for the Intermediate Examination leading to both University and vocational courses;

(d) to consider proposals for the introduction of new subjects and the exclusion of existing subjects,

(e) to consider questions of the formation of groups of subjects and the alternation of one group with another;

(f) to lay down courses for the middle section of English schools, and to recommend or prescribe suitable text-books, when considered necessary, in conformity with the syllabus;

(g) to fix the number of question papers to be set in each subject after receiving recommendations from the Committees of Courses concerned,

(h) to recommend the standard of length for written tests in different subjects after receiving recommendations from the Committees of Courses concerned,

(i) to consider the recommendations of the Committees of Courses with regard to the courses of study.

CHAPTER X

CONDITIONS UNDER WHICH GRANTS-IN-AID MAY BE GIVEN TO RECOGNISED INSTITUTIONS.

1. No grant-in-aid shall be recommended to any institution unless it has been recognized by the Board.

2. An institution receiving grant-in-aid shall, unless

specially exempted by the Government, invest all Government grants not disbursed within a month of their receipt in a Presidency or post office savings bank.

3. An institution shall be liable to have its grant withdrawn if it continues, even after a warning by the department to employ a teacher who takes an active part in political agitation calculated to subvert the authority of Government.

4. The provisions of the Educational Code, United Provinces, with regard to grants-in-aid shall apply to all institutions recognized by the Board, so far as they are not inconsistent with these Regulations.

CHAPTER XI.

RESIDENCE OF STUDENTS.

1. Where accommodation is available, every student of a recognized institution shall reside in a hostel provided by it, or in a hostel recognized by the head of the institution, or with a parent or guardian.

2. Where no accommodation is available in a recognized hostel, the head of an institution may permit a student or students to live in lodgings reserved by the keeper thereof for students of recognized institutions, provided—

(a) that the lodgings are open to inspection by the head of the institution concerned or by any member of the staff who is deputed for the purpose; and

(b) that the keeper is willing to submit to the requirements regarding supervision of students laid down by the head of the institution or heads of institutions concerned

CHAPTER XII.

EXAMINATIONS.

General Rules.

1. The Board shall conduct the following examinations :—

(*a*) The High School Examination.

(*b*) The Intermediate Examination

(*c*) The Intermediate Examination in Commerce.

(*d*) The Intermediate Examination in Agriculture.

2. The Board's examinations shall be held at such centres and on such dates and at such times as the Board may from time to time appoint.

3. The tests at the Board's examinations may be partly oral or practical and partly written. Oral and practical tests shall be carried out by examiners appointed by the Board in such manner as the Examinations' Committee may prescribe from time to time. Written tests shall be by means of question papers, and the question papers shall be given out simultaneously at every centre at which the examination is being held.

4. Every candidate for admission to an examination held by the Board shall, not later than the seventh of January each year—

(*a*) pay the fee prescribed for the examination,

(*b*) state the optional subject or subjects in which he desires to present himself for examination, and

(*c*) furnish the Secretary with a certificate showing—

(i) that he has completed a regular course of study* in a recognized institution, or

(ii) that he has been permitted by the Board to appear as a private candidate,

* See clause (11), Chapter I and Regulation 4, Chapter XVII.

(iii) (for* Science candidates of the High School Examination only) that he has actually performed the experiments laid down in the syllabus.

5. The following fees shall be paid in respect of the examinations held by the Board :—

(1) High School Examination.	Rupees 15 by each candidate from a recognized institution.
(2) Ditto ..	Rupees 20 by each private candidate.
(3) Intermediate Examination.	Rupees 25 by each candidate from a recognized institution.
(4) Intermediate Examination.	Rupees 30 by private candidates.
(5) Intermediate Examination in Commerce.	Rupees 25 by each candidate from a recognized institution.
(6) Intermediate Examination in Commerce.	Rupees 30 by private candidates.
(7) Intermediate Examination in Agriculture	Rupees 25 by each candidate from a recognized institution and Rs 30 by each private candidate (if any).
(8) Examination in one subject only.	Rupees 5.
(9) Examination in more than one subject.	Rupees 5 for each subject.

*The term "science" includes "General Science."

(10) Fee for checking the results of failed candidates.	Rupees 10 per candidate.
(11) Fee for communicating the total marks in each subject obtained by a candidate at an examination.	Rupees 2 per candidate.

*Provided that women candidates may pay fees for the High School or the Intermediate Examination at half the rates prescribed.

6. A candidate who fails to pass or who from sickness or other sufficient cause is unable to present himself for any examination, shall not receive a refund of his fee

Provided the board may, on application, admit a candidate who was unable to present himself for any examination to the next ensuing examination without payment of a further fee :

Provided also that the fee may not be held over for the next ensuing examination in the case of a candidate who absented himself from a part of the examination.

7. The Secretary shall, after satisfying himself that a candidate has complied with all the requirements for admission to an examination of the Board, furnish the candidate with a card of admission, on presentation of which to the local superintendent of the examination, the candidate shall be permitted to sit for the examination.

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*Th[illegible] the examinations [illegible] fees prescribed [illegible]mmunicating the [illegible] an examination (vide resolution 5 of the Examinations' Committee, dated January 12, 1931, adopted by the Board).

8 Notwithstanding anything contained in these Regulations, no candidate who is still undergoing rustication or who has been expelled within the academical year preceding the date of his application for permission to appear at an examination shall be admitted to any examination of the Board.

9. The Secretary, if satisfied that a candidate's admission card has been lost or destroyed, may grant a duplicate card on payment of a further fee of Rs. 2.

10. Private candidates* shall be eligible to appear at the Board's examinations on the conditions hereinafter laid down

11. A candidate who desires to offer himself for examination as a private candidate shall, not later than the first of October preceding the date fixed for the next

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* The following rules for the admission of private candidates to the Board's examinations have been approved by the Board (vide Board's Resolution no 22, dated November 8, 1924) :—

1 [illegible]

2 [illegible] class IX or class XI).

3 (a) Private candidates may change their subjects of examination from those previously offered by them, if more than one year has elapsed since their last appearance at the examination; they will not be required to give any reasons for the change.

(b) Private candidates who [illegible] such subjects.

4 Candidates residing outside the present territorial jurisdiction of the Board may be permitted to appear at the Board's examinations, as private candidates, provided they submit an adequate explanation as to why they prefer to take the United Provinces Board's examination.

5 Where an age-limit or other restriction is imposed by the Local University or Examining Body, such restriction shall be rigorously enforced before permission to appear as private candidates at the Board's examinations is granted to outside candidates.

ensuing examination, send in an application to the Secretary, through the Inspector of Schools of his division or the Chief Educational Officer of the Indian State where he resides, unless he is a failed candidate of a previous year, in which case the application may be forwarded by the head of the institution at which he last studied. In the case of a female candidate the application may be forwarded by the head of any institution

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6. Residents of places beyond the territorial jurisdiction of the [illegible]

[illegible] apply to residents of such places who have passed any examination conducted by the Board or its predecessors and desire to appear for the first time at a higher examination conducted by the Board.

7. Private candidates shall not be allowed to offer for their exami- [illegible]

[illegible] 1920.)

8. [illegible]

[illegible] 3, 1920).

9. Permission to appear as private candidates [illegible] a meeting of the [illegible] report of the [illegible] October 23, 20 [illegible] Board held on [illegible]

10. [illegible] the office [illegible] the date f[illegible] meeting c[illegible] October 17, 20 and November 1, 1920, and Resolution 33 of the meeting of the Board held on November 9, 1921).

recognized institutions shall be grouped according to the institutions in which they have studied.

16. A candidate who has failed in an examination may present himself for one or more subsequent examinations, provided that he shall on each and every such occasion satisfy the Secretary that he has fulfilled the conditions laid down in the Regulations for the admission of candidates to the Board's examinations.

17. A candidate who has failed in an examination may be admitted to a subsequent examination without attending a regular course of study in a recognized institution, provided—

(a) that he has not pursued his studies at an educational institution of any kind ;

(b) that, not less than six months before the date fixed for the next examination, he sends an application to the Secretary through and recommended by the head of the institution at which he last studied, in the prescribed form, setting out—

(i) the conditions under which he has been studying and is now proposing to continue his studies and

(ii) the dates of his failing in the examination :

*Provided, further, that this Regulation shall not apply to candidates who have taken a subject or subjects for which practical work or a practical examination is prescribed :

Provided, lastly, that private candidates may be allowed to take Economics as one of their optional subjects if they have studied the subject as regular students at a recognized institution and failed at the Intermediate Examination of a previous year.

* See the footnote to Regulation 11, Chapter XII.

18. *Any candidate who has obtained 40 per cent of the aggregate number of marks, but has failed in one subject only, *obtaining not less than 25 per cent in that* subject, shall be admitted to a subsequent examination in the subject in which he failed on payment of the fee prescribed in these Regulations; and if he passes in that subject he shall be deemed to have passed the examination.

18(*a*). The answer-books of candidates who are eligible *for the compartmental examination under Regulation 18, Chapter XII*, as well as of those who have failed in one subject only by not more than five per cent. of the marks assigned to that subject shall be scrutinized in accordance with the rules framed by the Board.

19. Heads of recognized institutions are not entitled to detain candidates who have fulfilled the conditions laid down for permission to appear at one of the Board's examinations, except for very grave reasons and with the previous sanction of the Chairman of the Board.

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* Compartmental candidates have the option of appearing at the [illegible]

ter XII.

Compartmental candidates are not eligible for admission to class XI of a recognized College unless and until they have passed *completely* the High School Examination under Regulation 2, Chapter XIII (*vide* Examinations' Committee's Resolution no. 9, dated February 6, 1925, adopted by the Board).

The prescribed fee for admission to the *compartmental examination* is Rs. 5.

Failed candidates may have two chances of re-appearing at the [illegible]

[illegible] held on November 9, 1927, adopted by the Board).

CHAPTER XIII.

HIGH SCHOOL EXAMINATION.

1. The following are the subjects prescribed for the High School Examination of the Board :—

Compulsory.

(1) English.
(2) Mathematics.
(3) History *or* Geography.
(4) One of the following Modern Indian Languages :—
Hindi, Urdu, Bengali, Marathi and Gujarati.

Optional.

(1) One of the following Classical Languages :—
Sanskrit, Arabic, Persian and Latin.
(2) Commerce.
(3) Physics and Chemistry.
(4) Agriculture.
(5) Drawing.
(6) Manual Training.
(7) A Modern European Language.
(8) Domestic Science.
(9) Metal work.
*(10) History *or* Geography.
(11) Book-binding.
(12) Spinning and Weaving.
(13) General Science (Physics, Chemistry and *Biology*).

N.B.—Candidates must take up one optional subject for examination and no candidate will be examined in more than one such subject, in addition to the compulsory subjects, at one and the same examination: provided that a candidate who has passed the High School or an equivalent examination in a place outside the United Provinces may

*A candidate taking History or Geography as a compulsory subject must not offer the same subject as an optional subject.

present himself for examination in any subsequent year in one or more optional subjects without re-examination in the compulsory subjects; and such a candidate will, if successful, be entitled to have an entry made in the certificate already granted to him, certifying in which additional optional subject or subjects he has passed.

2. A candidate is not entitled to a certificate of having passed the High School Examination unless he qualifies separately in each subject offered by him thereat

3 Diaries shall be kept by all teachers employed in teaching classes preparing for the High School Examination showing the work done in class in each subject taught by them, and such diaries shall be inspected by the oral or practical examiners or by such other authorities as the Board may depute.

4. The question papers set and the written answer-books of all candidates at terminal examination shall also be subject to inspection in such manner and by such authorities as the Board may direct.

5. The head of the institution shall furnish the oral or practical examiner, or such other authority as the Board may appoint, with a list of the candidates undergoing examination in the subject or subjects with which he is concerned, and shall make an entry against each name regarding the proficiency of the candidate as judged by his record therein during the course of study prescribed for the examination.

6. *Cancelled.*

7. Any candidate who has passed a *public examination in an Oriental Language (Sanskrit, *Persian or*

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* (a) The following examinations are *recognized by the Board as* public examinations in an Oriental Language *under this Regulation* and Regulation 7, Chapter XIV:—

(1) Maulvi, Alim, Mulla (now defunct) *and Fazil in Arabic, and* Munshi and Kamil [illegible] department of t[illegible] minations condu[illegible] *Benares, and* [illegible] Boards' Resolut[illegible]

Arabic) or the examination in advanced Urdu or Hindi conducted by the department may be admitted as a private candidate to the High School Examination in English only, and shall, if successful, be entitled to a certificate of having passed the examination in English only. Similar concession may be given to candidates residing in the United Provinces, who have passed an examination in a vernacular language (Hindi or Urdu) conducted by the Oriental Faculty of the Punjab University, and to Drawing Masters working in institutions recognized by the Board who have read up to the High School standard

8. *Candidates for the High School Examination are permitted to answer questions in English, Urdu, or Hindi in all subjects other than English.

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and paragraph 2 of the report of the meeting of the Examinations' Committee held on February 4, 1926, adopted by the Board), (3) the Diploma Examinations in Arabic and Persian conducted by the Lucknow University [*vide* Board's Resolution no 18(*g*), dated November 3, 1926] and (4) the Sanskrit examinations conducted by the Department of Public Instruction, Jaipur State [*vide* resolution 7 of the meeting of the Examinations' Committee held on November 8, 1928 and Resolution 31(*c*) of the meeting of the Board held on November 9, 1928]

(*b*) Candidates residing in the United Provinces who have passed an examination (Sanskrit, Persian or Arabic) of the Oriental Faculty of the Punjab University may also apply for permission to appear at the High School Examination in English only as private candidates (*vide* paragraph 39 of the report of the meeting of the Examinations' Committee held on November 9, 1927, adopted by the Board)

* This regulation should be read in the light of the following notes —

(1) A candidate for the High School Examination may answer questions in English in one or more subjects and in Hindi or Urdu in the remaining subjects in which a vernacular medium is permitted.

(2) *The option of using a vernacular medium of examination has been given in the following subjects only and in the following manner with effect from* the date noted against each ,—

(*a*) Sanskrit and Hindi—through the me- ... he ... he ... of ... English, Hindi or Urdu.	High School Examination of 1927.

CHAPTER XIV.

INTERMEDIATE EXAMINATION.

1. Every candidate for admission to the Intermediate Examination shall be required to have passed the Board's High School Examination, or to have passed an examination which by Regulation is declared equivalent thereto, before entering upon the course of study prescribed for the Intermediate Examination.

2. The following examinations are declared equivalent to the Board's High School Examination for the purpose of enabling candidates to enter upon the course of study prescribed for the Intermediate Examination :—

(1) the Matriculation Examination of any University established by law in India approved for the purpose by the Board. (The Matriculation Examinations of the following Universities are approved by the Board :—Allahabad, the Punjab, Bombay, Calcutta, Madras, Patna, Benares* and Aligarh*) ;

(2) the School-Leaving Certificate Examination of the United Provinces, or of another province, provided this examination is accepted as equivalent to Matriculation by the University established by law in that province ;

(3) the Cambridge School Certificate (formerly called Senior Local) Examination, provided a

(e) Mathematics—through the medium of English, Hindi or Urdu
(f) Domestic Science—through the medium of English, Hindi or Urdu.
} High School Examination of 1929.

(g) Physics and Chemistry—through the medium of English, Hindi or Urdu on condition that in case of the vernacular medium, English Technical terms may be used } High School Examination of 1931.

*By Matriculation Examination of the Benares Hindu and Aligarh Muslim Universities the Admission Examination of the former and the High School Examination of the latter are meant.

candidate has passed in five of such subjects as are recognized for the High School Examination of the Board of High School and Intermediate Education, United Provinces ;

(4) the Diploma Examination of the Chiefs' Colleges ;

(5) the High School Examination for European Schools in the Central Provinces and in other provinces ;

(6) the High School Certificate Examination of the Board of High School Education, Central Provinces ;

(7) the Anglo-Vernacular High School and the English High School Examinations of Burma ;

(8) the London University Matriculation Examination ;

(9) the English School-Leaving Certificate Examination of the Travancore State ;

(10) the High School-Leaving Certificate Examination of Hyderabad (Deccan), provided a candidate has passed in class I or class II ;

(11) the Secondary School-Leaving Certificate Examination of Mysore, provided a candidate has been declared eligible for admission to a University course ;

(12) the Diploma Examination of the Royal Indian Military College, Dehra Dun, so long as the syllabus and the standard of the examination continue to be the same as those of the examination recognized in the foregoing clause (4) ;

(13) *the High School Examination of the Board of Secondary Education, Delhi, provided a candidate has passed the examination with an additional subject under Regulation 3, Chapter XI of the Delhi Board's Regulations, and provided, further, that he has passed in five full subjects excluding Elementary Economics and (except in the case of female candidates) Physiology and Hygiene, and Domestic Science,

(14) the High School Examination of the Board of High School and Intermediate Education, Rajputana (including Ajmer-Merwara), Central India and Gwalior, Ajmer.

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*A candidate who has passed the High School Examination of the Delhi Board in English, Mathematics and any three† of the following subjects is eligible to enter upon the course of study prescribed for the Intermediate Examination :—

(1) A Classical Language (Sanskrit, Arabic, Persian, Hebrew, Latin or Greek).

(2) Physics and Chemistry.

(3) Any two of the following as one subject :—

I. Indian History.

II English History.

III. General Geography.

IV. Commercial Geography.

V. Elementary Economics

(4) Agriculture.

(5) Drawing.

(6) An Indian Vernacular.

(7) French

(8) Any two of the following as one subject (Commerce) :—

I. Business or Commercial Practice.

II. Elementary Book-keeping.

III. Indian System of Accounts.

(9) Domestic Science (for female candidates only).

(10) Physiology and Hygiene (for female candidates only).

†At least one of these three subjects must be taken from among subjects numbered (1), (2), (3), and (9), the last subject intended for female candidates only.

3. No candidate shall be admitted to the Intermediate Examination unless two academical years shall have elapsed since the date of his or her passing the High School or an equivalent examination :

* Provided that candidates who have passed the Cambridge School Certificate (Senior Local) Examination may be admitted to the Intermediate Examination in the academical year following that in which they pass the Cambridge School Certificate Examination.

4 Any student who has kept one academical year at a college affiliated to the Universities of Calcutta, Madras, Bombay, Patna, Benares, the Punjab, Nagpur, Delhi, Aligarh or Rangoon after matriculation, may be allowed a year corresponding to that which he has so kept, provided he produces a satisfactory certificate from the Principal of a college affiliated to the Universities of Calcutta, Madras, Bombay, Patna, Benares, the Punjab, Nagpur, Delhi, Aligarh or Rangoon that the corresponding year has been duly kept according to the regulations in force at the University from which he has †migrated, and that the said Principal has no objection to his transfer.

5. Every candidate for the Intermediate Examination shall be examined in English and any three of the following subjects :—

(1) Mathematics.

(2) Chemistry.

* Candidates intending to appear under this proviso are eligible to appear as private candidates also, provided they fulfil the necessary conditions [vide Board's Resolution no. 24 (last paragraph), dated November 8, 1924.]

† The Board has framed no rules nor prescribed any form regarding migration of students from or to its territorial jurisdiction. A candidate intending to migrate to a place outside the jurisdiction of the Board should communicate with the Divisional Inspector of Schools through the head of his last institution. In case the candidate is a resident of a place outside the United Provinces, he should communicate with the head of his last institution.

(3) Physics.

(4) Biology.

(5) Drawing

(6) Economics.

(7) Civics.

(8) History and Allied Geography.

(9) Histories of Greece and Rome and Allied Geography.

(10) Geography.

(11) Logic.

(12) A Modern Indian Language (Urdu or Hindi or Bengali or Marathi or Gujarati), *or* a Modern European Language (German or French).

(13) A Classical Language, viz., Sanskrit, Arabic, Persian, Latin, Greek or Hebrew.

(14) *Physiology, Hygiene and Child-Study (for girls only).

(15) Physiology, Hygiene and Elementary Psychology (for boys only).

6. Any candidate who has passed the Intermediate Examination of the Board or an examination equivalent thereto may appear at any subsequent Intermediate Examination or Examinations conducted by the Board in any subject in which he has not previously passed the Intermediate Examination, provided that in the case of a subject for which practical work or a practical examination is prescribed he produces evidence satisfactory to

*A special subject intended to prepare girls either for the teaching profession or for domestic life (*vide* Board's Resolution no. 3, dated November 8, 1924).

the Board that he has completed the practical course prescribed for the subject.

7. *Any candidate who holds a certificate of having passed the High School Examination in English only under Regulation 7, Chapter XIII, or of having passed an examination equivalent to the High School Examination in English only under similar conditions, may be admitted as a private candidate to the Intermediate Examination in English only, provided at least one academical year shall have elapsed since the date of his or her passing the High School or an equivalent Examination in English, and such a candidate shall, if successful, be entitled to a certificate of having passed the examination in English only.

CHAPTER XV.

Intermediate Examination in Commerce.

1. Every candidate for admission to the Intermediate Examination in Commerce shall be required to have passed the Board's High School Examination or an examination †equivalent thereto, and to have, since the passing of this examination, prosecuted a regular course of study for not less than two academical years at an institution recognized by the Board for the Intermediate Examination in Commerce.

2. ‡ Inspecting officers of an Education department and teachers in schools and colleges recognized by the

† See Regulation 2, Chapter XIV.

‡ Failed candidates of the Intermediate Examination in Commerce may also be admitted to a subsequent examination as private candidates under Regulations 16 and 17, Chapter XII (*vide* paragraph 6 o lthe report of the meeting of the Committee of Courses in Commerce held on November 8, 1923).

Board may be admitted to this examination as private candidates by special permission of the Board, provided that by the date of the examination not less than two academical years shall have elapsed since the date of their passing the High School Examination or an examination equivalent thereto.

3. The following are the subjects of examination. These may be arranged in alternative groups in such manner and with such additions and alterations as the Board may, from time to time, decide :—

Compulsory.

(1) English.
(2) Book-keeping and Accountancy.
(3) Business Methods and Correspondence.
(4) (a) Elementary Economics.
(b) Commercial Geography.

Optional.

One of the following :—

(1) *Steno-typing (shorthand and typewriting).*
(2) Elements of Banking.
(3) Elements of Industrial Organization.
(4) Mathematics.

CHAPTER XV(a).

INTERMEDIATE EXAMINATION IN AGRICULTURE.

1. Every candidate for admission to the Intermediate Examination in Agriculture shall be required to have passed the Board's High School Examination, or an examination equivalent * thereto, and to have, since the passing of this examination, prosecuted a regular course of study for not less than two academical years

* See Regulation 2, Chapter XIV.

at an institution recognized by the Board for the Intermediate Examination in Agriculture:

Provided that a candidate who has passed the Intermediate Examination of the Board or an examination equivalent thereto with Chemistry and Biology as optional subjects, may be admitted to the Intermediate Examination in Agriculture after prosecuting a regular course of study for not less than one academical year since the date of his passing the aforesaid examination at an institution recognized by the Board for the Intermediate Examination in Agriculture.

2. The following are the subjects of examination arranged in groups The Board may make such additions and alterations in them as it may, from time to time, decide —

Group I —Chemistry and Physics.
Practical Chemistry and
Practical Physics.

Group II.—Botany and Zoology.
Practical Botany and
Practical Zoology.

Group III —Physical properties of soil, Soil Geology, Climatology.
Tillage and Plant Feeding, Principles of Manuring.
Principles of Irrigation and Drainage
Practical Farming.
Practical A.—Crop culture, Climatology.
Practical B.—Farm Machinery, including ploughing and other tillage operations.
Practical C.—Animal Husbandry.

Group IV.—English.
Translation and Composition.
Essay and Unseen passages from text-books.

Group V.—Economics *or* Mathematics.

CHAPTER XVI.

ELECTION OF MEMBERS OF THE BOARD UNDER CLAUSES (c) AND (e) OF SUB-SECTION (1) OF SECTION 3 OF THE INTERMEDIATE EDUCATION ACT, 1921

1. An election to fill any vacancy amongst members of the Board which is to be filled by election by Principals of Intermediate Colleges not maintained by Government or by Head Masters of High Schools not maintained by Government shall be held on such dates as the Chairman shall appoint.

2. As soon as the Chairman has fixed the date for election, the Secretary shall circulate a notice to every Principal or Head Master, as the case may be, inviting the nomination of a candidate other than himself for election within the time to be named in the notice Such time shall be not less than a fortnight from the date of the issue of the notice. Such notice shall state the date and hour up to which nominations will be received by the Secretary at his office.

3 Within the said time any Principal or Head Master, as the case may be, may propose a candidate other than himself for election as a member, provided that such candidate is willing to stand for election. This proposal need not be seconded.

4. On the expiration of the period fixed by the notice, the Secretary shall, after scrutiny of the nominations received, prepare and send to every voter a list of candidates who have been duly nominated, and have not withdrawn their candidature, together with a voting paper, and shall also specify the date fixed for election and the time on the said date up to which votes must be deposited with him : provided that if the number of such candidates is equal to the number of vacancies, all such candidates shall be deemed to be elected ; and provided,

further, that if the number of such candidates is less than the number of vacancies, all such candidates shall be deemed to be elected, and the Secretary shall invite fresh nominations for the remaining vacancy or vacancies

5. The voting paper must be signed by the voter and shall be placed by him in a sealed cover superscribed "Voting paper for the election of a member of the Board." He shall either deliver the cover in person to the Secretary at his office or send it by registered post to him. The voting paper must reach the Secretary before the expiry of the time fixed within which votes will be received. The Secretary shall deposit all covers containing voting papers in a safe in his office, until the time fixed by the Chairman for opening them, and for scrutinizing and counting the votes.

6. The Chairman shall appoint two members of the Board to act with the Secretary in the scrutiny and counting of the votes

7. At the time fixed for opening the covers of the voting papers the covers shall be opened by the Secretary in the presence of the said members, and the voting papers shall then be duly scrutinized.

8. Every Principal or Head Master, as the case may be, of an institution recognized by the Board shall be entitled to vote. Every voter shall have as many votes as there are vacancies to be filled: provided that no voter shall give more than one vote to any one candidate. If more than one vote be recorded by a voter for the same candidate such votes shall be recognized as one vote. If the voter records more votes than the vacancies, his voting paper shall be declared invalid. The decision of the Secretary and the two members of the Board appointed to act with him shall be final as to the validity of any votes recorded. In case of difference

of opinion between them, the decision shall be in accordance with the opinion of the majority.

9. After the scrutiny is completed and the votes have been counted, a statement shall be prepared for submission to the Chairman, showing the number of valid votes received by each candidate. Such statement shall be signed by the Secretary and the said two members of the Board.

10. A candidate who has received the largest number of valid votes shall be deemed to be elected. In the event of two or more candidates obtaining an equal number of votes, the election shall be determined by lot to be drawn in the presence of the Secretary and the two members of the Board and in such manner as the Secretary may think fit

11. The voting papers shall be preserved in the Secretary's office after the election till such time as the Chairman may direct.

CHAPTER XVII.

MISCELLANEOUS.

1. Detailed information regarding the examinations of the Board shall be given in the prospectus of the examinations, which is issued annually by the Secretary of the Board and can be obtained from the Superintendent, Government Press, Allahabad, on payment of the fixed price.

2. The rules of the Educational Code of the United Provinces of Agra and Oudh shall apply to all institutions recognized by the Board in so far as they are not inconsistent with these regulations.

3. The Board shall, from time to time, prepare such forms and registers as may be deemed necessary. The forms when so prepared shall be appended to these regulations and shall, with such variations as circumstances

may require, be used for the respective purposes therein mentioned.

4. The Board shall, for the purposes of a regular course of study, prescribe the minimum *number of meetings of a class that must be held in preparation for any of its examinations.

5 Admission to any class or section of a class shall be limited to a maximum of 35 scholars in a class or section of a class of a High School, excluding primary classes, and 45 in a section of the Intermediate classes : provided that in the case of colleges which were affiliated up to the Intermediate standard by the Allahabad University the *maximum in a section may be 60 for a period of five years*

* NOTE —" The minimum † number of days that recognized institutions, including classes XI and XII, will be open will be 180; for other recognized institutions the minimum number will be 200.

No candidate will be presented for an examination of the Board by a recognized institution unless he has been present (in classes IX and X in the case of the High School Examination and in classes XI and XII in the case of the Intermediate Examination) for at least 75 per cent. of the days the institution was open during two‡ academical years.

In the case of failed and § detained candidates the percentage will be calculated for one academical year only.

The head of a recognized institution may condone a deficiency of not more than six days All cases in which this privilege is exercised will be reported to the Board

The Board may, in very special cases, condone a deficiency of not more than 15 days"

† This minimum applies to the institution as a whole and not to attendance in class X or class XII separately (*vide* paragraph 16 of the minutes of the meeting of the Board held on November 30 and December 1, 1923)

‡ The two academical years need not be consecutive (*vide resolution* 20 of the meeting of the Examinat ons' Comm [illegible]
1929, [illegible]
of ins [illegible]
in the [illegible]
year al [illegible]
mee in [illegible] ommittee held on January 28, 1930, adopted by the Board, and resolution 6 *of the meeting of the* Examination's Committee held on September 20, 1930, adopted by the Board.

§ The term "detaine" [illegible] in class X or class XII (*vide* r [illegible] minations' Committee [illegible]

RULES OF THE EXAMINATIONS' COMMITTEE.

Rules for the scrutiny of marks and the checking of the results of failed candidates under regulation 5 (10), Chapter XII of the Board's regulations.

1. Any candidate who has failed at an examination conducted by the Board may apply to the Secretary for the scrutiny of his marks and the re-checking of his result.

2. Such applications must be made within two months from the date of the publication of the result and must be forwarded by the head of the institution or other authority who forwarded the candidate's original application for permission to appear at the examination.

3. All such applications must be accompanied by a copy of the Treasury chalan showing that the prescribed fee of Rs. 10 has been paid In the case of candidates belonging to Indian States this fee must be sent in cash to the office of the Secretary

4. A candidate shall not be entitled to a refund of the fee unless as a result of the scrutiny he is declared successful in the examination.

5. If on scrutiny and re-checking a failed candidate is found to have passed, his name shall be at once published in the Gazette in a supplementary list In all other cases the result of the scrutiny shall be communicated to the candidate through the head of the institution or other forwarding authority as soon as possible

6. The work of scrutiny does not include re-examination of the answer-books of a failed candidate. It consists of re-checking the marks entered in the answer-books with a view to seeing whether there has been any mistake in totalling the marks assigned to individual questions or in the form of omitting the marks assigned to any question.

Rules for communicating the total marks in each subject obtained by a candidate at an examination under regulation 5 (11), *Chapter XII of the Board's regulations.*

(1) Only the total marks in each subject obtained by a candidate at an examination will be communicated.

(2) Any candidate desiring to know the total marks in each subject obtained by him at an examination held by the Board shall send an application to the Secretary through the officer who forwarded his application for admission to the examination, not later than six months ordinarily after the publication of the results in the *United Provinces Government Gazette.*

(3) All such applications must be accompanied by a copy of the Treasury chalan showing that the prescribed fee of Rs. 2 has been paid. In the case of candidates belonging to Indian States this fee must be sent by money-order to the Secretary.

N.B.—Fees sent by money-order by candidates residing in the United Provinces will not be accepted.

(4) No refund of the fee shall be allowed.

(5) Each application should furnish necessary information on each of the following particulars :—

(*a*) The name and year of the examination.

(*b*) The name of the candidate.

(*c*) His roll number.

(*d*) The name of his college, or the district of which he was a resident.

(*e*) The name of his examination centre.

(*f*) The subjects offered.

es for communicating the total marks in each subject obtained by a candidate at an examination under regu-ation 5 (11), *Chapter XII of the Board's regulations.*

(1) Only the total marks in each subject obtained by a candidate at an examination will be communicated.

(2) Any candidate desiring to know the total marks in each subject obtained by him at an examination held by the Board shall send an application to the Secretary through the officer who forwarded his application for admission to the examination, not later than six months ordinarily after the publication of the results in the *United Provinces Government Gazette.*

(3) All such applications must be accompanied by a copy of the Treasury chalan showing that the prescribed fee of Rs. 2 has been paid. In the case of candidates belonging to Indian States this fee must be sent by money-order to the Secretary.

N.B—Fees sent by money-order by candidates residing in the ...ited Provinces will not be accepted.

(4) No refund of the fee shall be allowed.

(5) Each application should furnish necessary information on each of the following particulars :—

(*a*) The name and year of the examination.

21. Government High School, Fatehgarh.
22. Government Intermediate College, Etawah.
23. Government High School, Cawnpore.
24. P. Prithi Nath High School, Cawnpore.
25. Government Intermediate College, Allahabad.
26. Ewing Christian College, Allahabad
27. Kayastha Pathshala Intermediate College, Allahabad.
28. City A.-V. High School, Allahabad
29. Government Intermediate College, Jhansi.
30. *Queen's Intermediate College, Benares.*
31. Cutting Memorial High School, Benares.
32. Jai Narain's High School, Benares
33. Udai Pratap College and Hewett Kshattriya High School, Benares.
34. Government High School, Jaunpur.
35. Government High School, Ballia
36. Government Jubilee High School, Gorakhpur.
37. Wesley High School, Azamgarh.
38. Government High School, Basti.
39. Government High School, Naini Tal.
40. Government Intermediate College, Almora.
41. Government High School, Srinagar (Garhwal).
42. Government Jubilee Intermediate College, Lucknow
43. Shia Intermediate College, Lucknow.
44. Lucknow Christian College, Lucknow
45. Isabella Thoburn Intermediate College, Lucknow.
46. Government High School, Sitapur.
47. Government High School, Rae Bareli
48. Government Intermediate College, Fyzabad
49. Government High School, Gonda.

6. Meerut College, Meerut.
7. Kayastha Pathshala Intermediate College, Allahabad.
8. N. R E. C. Intermediate College, Khurja
9. Bareilly College, Bareilly.

List of Centres for the Intermediate Examination in Agriculture of 1931.

1. Ewing Christian College, Allahabad.
2 Sanatan Dharam College of Commerce, Cawnpore.

List of Centres for the High School Examination of 1931.

1. D. A.-V. Intermediate College, Dehra Dun.
2. Government High School, Saharanpur.
3. Government High School, Muzaffarnagar.
4. Government High School, Meerut
5. Nanak Chand A. S High School, Meerut.
6. Government High School, Bulandshahr.
7. N R. Edward Coronation Intermediate College, Khurja.
8. Government High School, Aligarh.
9. Government High School, Muttra.
10. Phul Chand Bagla A. S. High School, Hathras.
11. Government High School, Agra.
12. St John's High School, Agra.
13. Government High School, Mainpuri.
14 Government High School, Bareilly.
15. Government Bullock High School, Najibabad.
16. Government High School, Budaun.
17. Government Intermediate College, Moradabad.
18. Shiam Sundar Memorial Intermediate College, Chandausi.
19. Government High School, Shahjahanpur.
20. Government High School, Farrukhabad.

21. Government High School, Fatehgarh.
22. Government Intermediate College, Etawah.
23. Government High School, Cawnpore.
24. P. Prithi Nath High School, Cawnpore.
25. Government Intermediate College, Allahabad.
26. Ewing Christian College, Allahabad.
27. Kayastha Pathshala Intermediate College, Allahabad
28. City A.-V. High School, Allahabad
29. Government Intermediate College, Jhansi.
30. Queen's Intermediate College, Benares.
31. Cutting Memorial High School, Benares
32. Jai Narain's High School, Benares.
33. Udai Pratap College and Hewett Kshattriya High School, Benares.
34. Government High School, Jaunpur.
35 Government High School, Ballia.
36 Government Jubilee High School, Gorakhpur
37. Wesley High School, Azamgarh.
38. Government High School, Basti.
39. Government High School, Naini Tal.
40. Government Intermediate College, Almora.
41 Government High School, Srinagar (Garhwal).
42. Government Jubilee Intermediate College, Lucknow
43 Shia Intermediate College, Lucknow.
44. Lucknow Christian College, Lucknow
45. Isabella Thoburn Intermediate College, Lucknow
46. Government High School, Sitapur.
47. Government High School, Rae Bareli
48. Government Intermediate College, Fyzabad
49. Government High School, Gonda.

RATES OF HONORARIA.

I.—INTERMEDIATE EXAMINATION.

		Rs.	a.	p.	
1.	For setting a full paper.	40	0	0	
2.	For marking each answer-paper.	1	0	0	
3.	For the Practical Examination in Science (to the External Examiner only).	1	8	0	Per candidate with a minimum of Rs. 30 per college.
4.	To the Head Examiner, in addition to the fee for marking answer-papers.	..			Rupees 50 to be paid in respect of each sub-examiner (if any) working under him, no additional fee being paid for re-examining marked answer-books received from sub-examiners, or for supplying models to them. Ten models at least should be supplied to each sub-examiner, and at least 30 marked answer-books of each sub-examiner should be called for in three instalments and re-examined by the Head Examiner.

		Rs.	a.	p.	
5.	For translating a paper.	30	0	0	
6.	To the Head Examiner in each Practical Examination in Science.	10	0	0	Per hundred candidates with a minimum fee of Rs. 50 for the whole work.

II.—HIGH SCHOOL EXAMINATION.

		Rs.	a.	p.	
1.	For setting a paper.	30	0	0	
2.	For setting a paper in Dictation and in Urdu Shikast	15	0	0	
3.	For marking each answer-paper.	0	8	0	
4.	For marking Dictation and Shikast sheets	15	0	0	Per hundred candidates.
5.	For Oral and Practical Examination per candidate.	2	0	0	With a minimum of Rs. 20 for each institution.
6.	To the Head Examiner for checking Oral or Practical work done by Sub-Examiners.	10	0	0	Per hundred candidates with a minimum fee of Rs. 25.

	Rs.	a.	p.	
7. To the Head Examiner, in addition to the fee for marking answer-papers or setting questions.	40	0	0	On the same conditions as in the Intermediate.
8. For translating a paper.	20	0	0	

III.—Intermediate Examination in Commerce.

	Rs.	a.	p.
1. For setting a paper.	40	0	
2. For marking each answer-paper.	1	0	0
3. For translating a paper.	30	0	0

IV.—Intermediate Examination in Agriculture.

	Rs.	a.	p.	
For setting a paper	40	0	0	
2. For marking each answer-paper.	1	0	0	
3. For the Practical Examination	1	8	0	Per candidate with a minimum fee of Rs. 30 per college.
4. For translating a paper.	30	0	0	

Notes.—(1) A paper-setter who does not mark answer-books is entitled to half the fee prescribed for setting the paper.

(2) An examiner who has not set the paper but only marks the answer-books is entitled to the other half of the fee prescribed for setting the paper, in addition to the usual fee for marking the answer-books.

The Boards of Moderators for the Board's Examinations of 1932.

(1) ENGLISH.

(1) N. K. Sidhanta, Esq., M.A., Professor, Lucknow University, Lucknow.

(2) Rai Bahadur A. C. Mukerji, M.A., Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad.

(3) Pandit Amaranatha Jha, M.A., Reader, Allahabad University, Allahabad (to act as convener).

(2) MANUAL TRAINING AND DRAWING.

(1) A. K. Haldar, Esq., Principal, Government School of Arts and Crafts, Lucknow.

(2) Lala Wazir Sahai, Chief Engineer, Improvement Trust, Allahabad (to act as convener).

(3) ECONOMICS.

(1) G. D. Karwal, Esq., M.A., Allahabad University, Allahabad.

(2) S. K. Rudra, Esq., M.A., Professor, Allahabad University, Allahabad (to act as convener).

(4. GEOGRAPHY.

(1) Kaushal Kishor, Esq., B.A., L.T., Registrar, Departmental Examinations, United Provinces, Allahabad.

(2) H Tinker, Esq., I.E.S., Principal, Government Training College, Allahabad (to act as convener).

(5) MATHEMATICS.

(1) A M Kureishy, Esq., M.A., Principal, Aligarh Muslim University Intermediate College, Aligarh.

(2) D P. Khattry, Esq., Head Master, Pandit Pirthi Nath High School, Cawnpore.

(3) A C Banerji, Esq., M.Sc., Professor, Allahabad University, Allahabad (to act as convener)

(6) LOGIC

(1) A C Mukerji, Esq., M.A., Lecturer, Allahabad University, Allahabad.

(2) Lala Diwan Chand, M.A., Principal, D. A.-V. College, Cawnpore (to act as convener).

(7) HISTORY AND CIVICS.

(1) Parmanand, Esq., M.A., Reader, Allahabad University, Allahabad.
(2) Dr. Beni Prasad, Professor, Allahabad University, Allahabad.
(3) Dr. Tara Chand, Allahabad University, Allahabad (to act as convener).

(8) AGRICULTURE.

(1) C. Mava Das, Esq., Principal, Agricultural College, Cawnpore
(2) W. B Hayes, Esq., Allahabad Agricultural Institute, Naini (E. I. R.)
(3) Dr. S Higginbottom, Principal, Allahabad Agricultural Institute, Naini (to act as convener).

(9) COMMERCE.

(1) Dr D. Pant, Professor, Lucknow University, Lucknow.
(2) Rup Ram Gupta, Esq., Professor, St. John's College, Agra
(3) B N Chopra, Esq., Professor, S. D. College, Cawnpore (to act as convener).

(10) SANSKRIT, HINDI AND BENGALI

(1) Pandit Ram Narain Misra, B.A., Head Master, Central Hindu High School, Benares.
(2) A. C. Mukerji, Esq., M.A., Lecturer, Allahabad University, Allahabad.
(3) Pandit Ayodhya Nath Sharma, M.A., Professor, S. D. College, Cawnpore.
(4) A. B. Dhruva, Esq., M.A., Pro-Vice-Chancellor, Benares Hindu University, Benares (to act as convener).

(11) ARABIC, PERSIAN AND URDU.

(1) Dr. Tara Chand, Allahabad University, Allahabad.

(2) Maulvi Saiyid Muhammad Ali Nami, M.A., M.F., Reader, Allahabad University, Allahabad

(3) S. M. Zamin Ali, Esq , M.A., Head of the Urdu department, Allahabad University, Allahabad (to act as convener).

(12) GENERAL SCIENCE.

(1) Dr S. M. Sane, Reader, Lucknow University, Lucknow

(2) W. G. P. Wall, Esq., M Sc , I.E.S., Inspector of Schools, Allahabad division, Allahabad.

(3) Dr. W. S. Dudgeon, Professor, Ewing Christian College, Allahabad.

(4) Dr. K. N Bahl, Professor, Lucknow University, Lucknow (to act as convener)

(13) PHYSICS.

(1) Saligram Bhargava, Esq., M Sc , Reader, Allahabad University, Allahabad

(2) W. G. P Wall, Esq , M.Sc , I.E S , Inspector of Schools, Allahabad division, Allahabad (to act as convener).

(14) CHEMISTRY.

(1) K. P. Chatterji, Esq , Reader, Allahabad University, Allahabad

(2) Dr. S M Sane, Reader, Lucknow University, Lucknow (to act as convener)

(15) BIOLOGY.

(1) Dr K. C Mehta, Professor, Agra College, Agra.

(2) Dr K. N Bahl, Professor, Lucknow University, Lucknow (to act as convener)

(16) DOMESTIC SCIENCE, PHYSIOLOGY, HYGIENE AND CHILD-STUDY.

(1) Miss T J. Gandhy, Inspectress of Girls' Schools, Allahabad Circle, Allahabad

(2) Miss Thellayampalam, Lucknow University, Lucknow.

(3) Dr. K. N Bahl, Professor, Lucknow University, Lucknow (to act as convener)

MISCELLANEOUS RULES.

Travelling Allowance Rules.

1 All non-official members will be paid at the rates admissible for first class officers, *viz.*, 1 3/5th first class railway fare, 0-6-0 per mile as mileage and Rs. 5 as daily allowance

2. Official members, *viz.*, those who are in Government service, will be paid according to the class to which they belong. They should, therefore, mention in the Travelling Allowance bill the salary which they are getting Government servants getting over Rs. 750 are treated as first class officers and those getting over Rs. 200 as second class officers; for the latter class daily allowance is four annas for every Rs. 25 or fraction of Rs. 25 of pay, subject to a maximum of Rs. 3.

3. When a member (official or non-official) travels at a concession rate his mileage allowance will be restricted to the actual cost of the railway ticket *plus* three-fifths of the ordinary fare. In cases where concession fares are allowed for return journeys, the mileage allowance for the return journey will be limited to the actual cost of the return ticket *plus* three-fifths of the ordinary fare each way.

All claims for full mileage allowance for travel by railway must be supported by a certificate in one of the following forms according to the circumstances :—

"Certified that concessional rates were not obtainable for any of the journeys covered by this bill"

or

"Certified that the concessional rates obtainable for the journeys on (date) could not be availed of for the following reasons :—"

4. Members are required to further certify on the Travelling Allowance bill to the effect that they actually travelled in the class for which they are claiming the railway fare.

Maximum and min'mum marks assigned to the various subjects for the examinations of 1932.

HIGH SCHOOL EXAMINATION.

Maximum marks ..	150 in English and 100 in every other subject.
Minimum pass marks ..	50 in English and 33 in every other subject.

INTERMEDIATE EXAMINATION.

Maximum marks ..	150 in English and 100 in every other subject.
Minimum pass marks ..	50 in English and 33 in every other subject.

INTERMEDIATE EXAMINATION IN COMMERCE

Maximum marks ..	100 in each subject.
Minimum pass marks ..	33 ditto

INTERMEDIATE EXAMINATION IN AGRICULTURE.

Maximum marks ..	100 in groups I and II each, 150 in group III and 50 in groups IV and V each.
Minimum pass marks ..	33 per cent in each group.

DISTINCTION.

Minimum marks required	75 per cent. of the aggregate marks in a subject.

DIVISION.

Minimum pass marks required for division I	60 per cent. in the aggregate
Minimum pass marks required for division II.	45 per cent. in the aggregate.
Minimum pass marks required for division III.	33 per cent. in the aggregate.

COURSES OF STUDY.

HIGH SCHOOL EXAMINATION OF 1932.

A.—Compulsory Subjects.

I.—ENGLISH.

Three papers, each of three hours, will be set—(1) on the Prescribed Course in Prose and Poetry with questions on Grammar, Idiom, and (2) on Unseen Passages with questions on Grammar and Idiom, (3) passages in a Modern Indian Language for translation into English and a simple narrative or descriptive composition in English. There will be no oral test, but there will be an examination in English dictation at each centre.

Text books prescribed :—

Group A.—

1. School Selections from Modern Prose by Egerton Smith (K. and J. Cooper, Bombay) Re. 1.
2. Modern English Prose by Brown, Macmillan's.
3. Jones' English Prose Selections (Indian Press, Limited, Allahabad) Revised edition, comprising the following extracts :—
   - (1) *Robinson Crusoe explores the Island, by Daniel* Defoe.
   - (2) Robinson Crusoe learns Farming and Pottery, by Daniel Defoe.
   - (3) Crusoe learns Boat Building and Tailoring, by Daniel Defoe.
   - (4) An Adventure with a Bear, by Charles Reade.
   - (5) The Stage Coach, by Washington Irving.
   - (6) Oliver Goldsmith, by Lord Macaulay.
   - (7) Lost in the Desert, by Alexander Kinglake.
   - (8) The Merchant of Venice, by Charles Lamb.
   - (9) The Miraculous Pitcher, by Nathaniel Hawthorne.

(10) An Incident in the Life of Sir Walter Raleigh by Sir Walter Scott.

(11) The Keys of Calais, by Charlotte M Yonge.

(12) The Golden Touch, by Nathaniel Hawthorne.

(13) Joan of Arc, by Charles Dickens.

(14) The little Match Girl, by Hans Anderson.

(15) The Death of Nelson, by Southey.

(16) The Life of Buddha, by Max Muller.

Group B.—

1 Paths of Peace, Book II, by Mrs Laurence Binyon (Oxford University Press)

2. The Story of the Buddha, by E Holland (Harrap).

3 Romance of Indian History, Part III (Macmillan)

Group C.—

1 Indian Schools Book of Verse, Part II, from which the following poems are prescribed —The Slave's Dream , The Plate of Gold , The Honest Man ; Incident of the French Camp , The Old Order Changeth , My Heart Leaps Up , Under the Greenwood Tree ; Blow, Blow, Thou Winter Wind , The Burial of Sir John Moore ; Abou Ben Adhem ; The Brook , Ring Out Wild Bells.

2. High School Poetry (Indian Press, Limited, Allahabad), the whole book omitting "The Tiger," "The Isles of Greece," and "Horatius," Stanzas 1—20, 27, 28, 33, 34, 36—43, 45, 46, 54—57 and 60—64

3 Types of English Poetry, Part I (Macmillan & Co), annas 6, from which the following poems are prescribed —

Hymn to God , The Rainbow , Psalm of Life ; Shortness of Life , Patriotism , The Child's First Grief , The Beggarman ; The Sailor Boy ; The Ladder of St Augustine , Home they

brought her Warrior Dead; To the Cuckoo; *Stanzas written in his Library*; Casabianca; The Village Blacksmith.

N B.—*The above text-books are arranged in three groups.—A, B and C Group A contains books of Prose Selections, Group B books of Inspirational Stories, and Group C books of Poetry. Every school must select for study one book only from each of the above groups.*

Books recommended for rapid reading and indicating the standard of the unseen passages to be set in the second paper .—

1. Scott's Ivanhoe (Oxford University Press, abridged, by Wren or Victory Series, Ram Narain Lal, Allahabad)

2. Golden Deeds of India, First Series, by L. and H. G. D. Turnbull (Oxford University Press)

3 Tanglewood Tales (Longmans, Green & Co).

4. The Vicar of Wakefield (Indian Press, Allahabad).

5. Shakespeare in Prose (Blackie)

6 Stories from the Arabian Nights (Nelson).

7. Westward Ho (Victory Series).

8. Jungle Book (Macmillan).

9 A Persian Hero (Macmillan).

10. The Exploits of Brigadier Gerard (Oxford University Press)

11. Stories from Tagore (Macmillan).

12. Don Quixote (Blackie).

13. Simple Chapters in English Life (Rai Sahib Gulab Singh & Sons, Lahore).

14. Stories from Shakespeare, by Wyatt (Oxford University Press).

15. The Little Duke (Indian Press School Classics).

16. Pioneers of Invention (George G. Harrap & Co.).

17. Men of Science (George G. Harrap & Co.).

18. The Story of the Ramayana (Indian Press, Allahabad).
19. The Story of the Mahabharata (Indian Press, Allahabad).
20. Teachers of India (Oxford University Press)
21. Masterman Ready (Longmans, Green & Co).
22. Legends from Greece and Rome (Victory Series)
23 Robinson Crusoe (Victory Series)
24. Tales from Indian History, by Roe (Macmillan).
25. Lamb's Tales from Shakespeare (Indian Press, Allahabad).
26. A Book of Stories (Ram Narain Lal, Allahabad).
27. In Other Lands (Uttar Chand Kapur, Lahore)

II.—MATHEMATICS

There will be two papers. each of three hours—one in Arithmetic and Algebra and the other in Geometry and Mensuration

SYLLABUS –

(1) Arithmetic and Algebra.

The four simple rules; British and Metric systems of measurement; Factors, Prime numbers, H. C F and L C M.; Decimal and vulgar fractions (including conversions of a recurring decimal to a vulgar fraction and conversely); Square Root; Ratio and Proportion; Average; Percentages; Profit and Loss; Interest, simple and compound, Present Worth and Discount (true and commercial), Areas and volumes; Simple equations of one or more unknown quantities, Quadratic equations of one unknown quantity, Graphs of statistics, Graphs of straight lines and graphical solution of linear simultaneous equations, Problems

N B —Candidates will be provided with squared paper, if necessary

(2) Geometry and Mensuration.

The course includes theoretical, practical and numerical Geometry, and every candidate will be expected to

answer questions in both branches of the subject. The questions on practical Geometry will be set on the constructions contained in the annexed Schedule A, together with easy extensions of them All figures should be drawn accurately, for which purpose every candidate should provide himself with a graduated scale, a pair of set squares, a protractor, a compass and a hard pencil. The questions on theoretical Geometry will consist of theorems and problems contained in the annexed Schedules A and B, together with easy extensions and deductions with numerical illustrations. Any proof of a proposition will be accepted which appears to the examiners to form part of a systematic treatment of the subject the order in which the theorems are stated in Schedule B is not imposed as the sequence of their treatment In the proof of the theorems hypothetical constructions will be permitted

N B —*Candidates will be provided with squared paper, if necessary.*

SCHEDULE A.

Bisection of angles and of straight lines.

Construction of perpendiculars to straight lines.

Construction of an angle equal to a given angle.

Construction of parallels to a given straight line.

Simple cases of the construction from sufficient data of triangles and quadrilaterals.

Division of straight lines into a given number of equal parts.

Construction of a triangle equal in area to a given polygon.

Construction of tangents to a circle and of common tangents to two circles.

Simple cases of the construction of circles from sufficient data.

Construction of a rectangle equal to a given polygon.

Construction of a rectangle on a given base equal in area to a given rectangle.

Construction of a square equal to a given rectangle.

Construction of a rectangle of given area the sum or difference of whose sides is given. (These constructions should be based on the propositions on the Geometry of the circle.)

Construction of a fourth proportional to three given straight lines and a mean proportional to two given straight lines (as corollaries to previous constructions of rectangles)

Construction of regular figures of 3, 4, 6 or 8 sides in or about a given circle.

Mensuration of triangles and simple rectilineal figures, finding their area by means of field-book ; application of formulæ for length of circumference and for area of a circle in terms of its radius.

SCHEDULE B.

Angles at a point

If a straight line stands on another straight line the sum of the two angles so formed is equal to two right angles ; and the converse.

If two straight lines intersect, the vertically opposite angles are equal

Parallel straight lines

When a straight line cuts two other straight lines, if—

(i) a pair of alternate angles are equal, or

(ii) a pair of corresponding angles are equal, or

(iii) a pair of interior angles on the same side of the cutting line are together equal to two right angles, then the two straight lines are parallel; and the converse.

Straight lines which are parallel to the same straight line are parallel to one another.

Triangles and rectilineal figures.

The sum of the angles of a triangle is equal to two right angles.

If the sides of a convex polygon are produced in order the sum of the angles so formed is equal to four right angles.

If two triangles have two sides of the one equal to two sides of the other, each to each, and also the angles contained by these sides equal, the triangles are congruent.

If two triangles have two angles of the one equal to two angles of the other, each to each, and also one side of the one equal to the corresponding side of the other, the triangles are congruent.

If two sides of a triangle are equal, the angles opposite to these sides are equal; and the converse.

If two triangles have the three sides of the one equal to the three sides of the other, each to each, the triangles are congruent

If two right-angled triangles have their hypotenuses equal and one side of the one equal to one side of the other, the triangles are congruent.

If two sides of a triangle are unequal, the greater side has the greater angle opposite to it; and the converse.

Of all the straight lines that can be drawn to a given straight line from a given point outside it, the perpendicular is the shortest.

The opposite sides and *angles of a parallelogram are* equal, each diagonal bisects the parallelogram and the *diagonals bisect one another.*

If there are three or more parallel straight lines and the intercepts made by them on any straight line that cuts them are equal, then the *corresponding intercepts* on any other straight line that cuts them are also equal.

Areas.

Parallelograms on the same or equal bases and of the same altitude are equal in area.

Triangles on the same or equal bases and of the same altitude are equal in area.

Equal triangles on the same or equal bases are of the same altitude.

Illustrations and explanations of the geometrical theorems corresponding to the following algebraical identities .—

$$k\ (a + b + c + ..) = ka + kb + kc + ..$$
$$(a \times b)^2 = a^2 \times 2ab \times b^2.$$
$$(a - b)^2 = a^2 - 2ab + b^2.$$
$$a^2 - b^2 = (a + b)\ (a - b).$$

The square on a side of a triangle is greater than, equal to, or less than the sum of the squares on the other two sides, according as the angle contained by these sides is obtuse, right or acute. The difference in the case of inequality. is twice the rectangle contained by one of the two sides and the projection on it of the other.

In any triangle the sum of the squares on two sides is equal to twice the square on half the base together with twice the square on the median which bisects the base

Loci

The locus of a point which is equidistant from two fixed points is the perpendicular bisector of the straight line joining the two fixed points.

The locus of a point which is equidistant from two intersecting straight lines consists of the pair of straight lines which bisect the angles between the two given lines.

The circle.

A straight line drawn from the centre of a circle to bisect a chord which is not the diameter is at right angles

to the chord; conversely, the perpendicular to a chord from the centre bisects the chord.

There is one circle and one only which passes through three given points not in a straight line.

In equal circles (or in the same circle)—(i) if two arcs subtend equal angles at the centre, they are equal; (ii) conversely, if two arcs are equal, they subtend equal angles at the centre.

In equal circles (or in the same circle)—(i) if two chords are equal, they cut off equal arcs; (ii) conversely, if two arcs are equal, the chords of the arcs are equal.

Equal chords in a circle are equidistant from the centre, and the converse

The tangents at any point of a circle and the radius through the point are perpendicular to one another.

If two circles touch, the point of contact lies on the straight line through the centres

The angle which an arc of a circle subtends at the centre is double that which it subtends at any point on the remaining part of the circumference.

Angles in the same segment of a circle are equal, and if the line joining two points subtends equal angles at two other points on the same sides of it, the four points lie on a circle.

The angle in a semi-circle is a right angle, the angle in a segment greater than a semi-circle is less than a right angle, and the angle in a segment less than a semi-circle is greater than a right angle.

The opposite angles of any quadrilateral inscribed in a circle are supplementary; and the converse.

If a straight line touch a circle, and from the point of contact a chord be drawn, the angles which this chord makes with the tangent are equal to the angles in the alternate segments.

If two chords of a circle intersect either inside or outside the circle the rectangle contained by the parts of the one is equal to the rectangle contained by the parts of the other.

The following books are suggested :—

For *Arithmetic*—

Workman, adapted by Sime and revised by Parkinson : A New Arithmetic for Indian Schools (R. S. Gulab Singh and Sons, Lahore).

For *Algebra*—

1. Ross : Elementary Algebra, Part I. *Longmans, Green & Co.*
2. Baker and Bourne : Elementary Algebra, Part I. *G. Bell & Sons.*
3. H. S. Hall : School Algebra, Parts I and II. *Macmillan & Co.*

In *Geometry*—

1. Hall and Stevens : A Shorter School Geometry, Parts I and II. *Macmillan & Co.*
2. Parkinson and Pressland . A Primer of Geometry, Clarendon Press, Oxford (Indian edition), Re. 1-12.
3. Pierpoint's Elements of Geometry.

III.—HISTORY.

There will be two papers, each of three hours :—

(i) Indian History and Allied Geography, and

(ii) English History and Allied Geography.

N.B.—Candidates are expected to draw freehand maps of India and Great Britain and Ireland

Indian History.

Indian History in outline from the earliest time to the present day.

The following syllabus is suggested :—

I.—The influence of Geography on Indian History.

II.—Ancient India—

A. Vedic period till 600 B. C.

1. The Dravidians.
2. The Aryan immigration.
3. Character of culture—
   (a) Vedic religion—outline.
   (b) Vedic society—caste, woman.
   (c) Literature—Veda (Brahman, Upanishad, Smriti).

B. Buddhists period 600—180 B.C.

1. Life and teaching of Buddha.
2. Mauryas, Asoka
3. Culture—
   (a) Dharma.
   (b) Government.

C. Hindu period 180 B. C—650 A. D.

1. *Sungas, Kanvas, Andhras.*
2. Yuechis, Kushanas, Kanishka.
3. Guptas—Samudragupta, Chandragupta, Vikramaditya.
4. Harsha.
5. Culture—
   (a) Religion—Puranas, Epics (toleration).
   (b) Literature—Kalidasa.
   (c) Art—Ajanta, Amaravati.

D. Rajput period 650 A. D.—1200 A.D.

1. The origin of Rajputs.
2. Rajput kingdoms, Chauhans, Chandels, Gaharwar (Rathor).
3. The South—*Pandyas, Pawars, Cholas and Keralas.*
4. The Deccan—Yadavas, Chalukyas, Rashtrakutas.

III. Medieval India—

A. Early Mediæval.

1. Life and teaching of Muhammad.
2. The Arab expansion.
3. The Turks and their kingdoms.
4. Turkish invasions—
   (a) Mahmud of Ghazni.
   (b) Muhammad Shahab-ud-din Ghori.
   (c) The Slave kings—Balban and Mongol invasions
   (d) The Khiljis, Ala-ud-din, and conquest of the south.
   (e) The Tughlaks—Muhammad and Firoz—break-up of early mediæval empire.
   (f) Provincial principalities and invasion of Timur.
   (g) The Hindu kingdoms of the south.
   (h) Culture.

Religion—Kabir.

Literature—Growth of Modern Indian Languages

B Later mediæval—

(a) 1. Sayyads and Lodis—Dissensions.
2 Babar and Humayun—Conquest and failure.
3. Sher Shah
4. Akbar—Conquest and Consolidation
5 Jahangir, Shahjahan—Prosperity.
6 Aurangzeb—
Religious quarrels.
Conquest of the south.
7. Successors of Aurangzeb.
Decay of Empire.

(b) Mahrattas—Shivaji—The struggle with the Mughals—The Peshwas up to 1761.

(c) Sikhs—Nanak and Guru Govind Singh.

(*d*) Early European settlements, 1600—1708.

1. Portuguese—Discovery of the route from Europe to India.
2. Dutch—Settlement in the Spice archipelago.
3. English—Embassies to Mughal emperors and establishment of factories.
4. French—Establishment of factories.

(*e*) Culture—

Religion, Bhakti Movement.

Art—Taj.

Literature 1. Hindi—Tulsidasa, Surdasa Rahim, Malik Md. Jaisi.

2. Urdu.

IV. Modern India—

A. 1. Struggle between the empire and the Mahrattas.
2. Break-up of the empire and the establishment of Subedars.
3. Sikhs—Ranjit Singh.
4. Mahratta and other Indian States.

B. 1 Struggle of the European Powers. The French and the British (1700—1763).
2. *Struggle between the English and Indian* Princes (1756—1774) Conquest of Bengal.

C. British rule, 1774—1857.—

1. Warren Hastings—
(i) Regulating Act.
(ii) Internal difficulties.
(iii) Wars with the Indian rulers.

Cornwallis—
(i) The permanent settlement.
(ii) Wars with Indian rulers.

3. Welleslеy—
(i) The subsidiary alliance system
(ii) The French rivalry.
(*iii*) Wars and expansions of British territory.

4. Minto—Embassies to Asiatic Powers.
5. Hastings—Nepal War, Mahratta wars.
6. Bentinck—Reforms.
7. Auckland and Ellenborough—Afghan Wars.
8. Hardinge—Punjab War.
9. Dalhousie—Completion of dominion.

D. British rule, 1857—1919—

(a) Wars and expansions.
1. Afghanistan.
2. Burma

(b) Internal developments—
1. Constitutional, 1861, 1892, 1909, 1919
2. Local Self-Government.
3 Education.
4 *Justice.*
5. Administration.

(c) National movements—
1. Hindu reforms
2 Muslim reforms.
3. Growth of Nationalism, Indian National Congress.

The following books indicating the scope and standard of knowledge required are recommended :—

1. *V. A. Smith*—Oxford Students' History of India, (Clarendon Press, Oxford). Rs 2.

2. *R. D. Banerji*—History of India (The Book Co., College Square, Calcutta).

3. *Thompson* —History of India (Christian Literature Society, Madras).

4. *Har Prasad Shastri.*—History of India (Blackie).

5. *Hoernle and Stark.*—A History of India (Orissa Mission Press, Cuttack).

6. *E. B. Havell* —A Short History of India (Macmillan & Co).

(2) Relations with Europe—

Crimean War ; England and Russia.

(3) Imperial development.

(2) 1885—1914.

(1) England and Russia.

,, ,, Germany.

,, ,, Empire.

(2) Ireland.

(3) Internal developments—

(a) Parliament.

(b) Commerce and Industry.

N B —Students are expected to have a knowledge of "Representation of the People Act, 1918."

The following books indicating the scope and standard of knowledge required are recommended :—

1. S R. Gardiner.—A School Atlas of English History. (Longmans, Green & Co.)

2. Ed J S. Lay.—The English People (Macmillan).

3 Oman.—Junior History of England (Arnold).

4. S R. Gardiner—Outline of English History. (Longmans, Green & Co.)

5. T. F Tout —A History of Great Britain, Book II. *(Longmans, Green & Co)*

6 Kerr and Rushbrook Williams.—Growth of the British Empire (Longmans, Green & Co.).

7. Macmillan's Atlas of the British Empire.

8. Guest, G.—Outlines of British History (Oxford *University Press, 1922). 2s. 6d.*

9. Pupils' Study Book of English History by J. T. Mulley, Books II, III and IV, published by E. J. Arnold & Sons.

10. Raghu Kul Tilak : A History of Modern England, *Urdu and Hindi (Indian Press, Allahabad).*

11. S. D. Tripathi Shastri : History of the English People, Urdu and Hindi (Macmillan & Co.).

12 Ram Krishna Mathur : A Handbook of English History (Hindi and Urdu versions), (S. S. Mathur, Anand Pushtakalaya, Cawnpore).

13 Shiva Chandra Kapoor ; History of England (Urdu and Hindi), (Nandkishore Bros., Benares).

14 Pran Nath Vidyalankar : History of England (Hindi), (Ganga Pushtakmala Karyalaya, Lucknow).

15 J Nelson Fraser : A first History of England (English). (K & J Cooper, Educational Publishers, Bombay)

16. Brij Mohan Sharma · History of England (Urdu), (Newal Kishore Press, Lucknow).

or

Geography.

There will be two papers, each of three hours' duration, as follows :—

Paper I—General Geography of the World outside of India (sections I and II of the syllabus).

Paper II—India and its world relations (section III of the syllabus).

Syllabus.

I. (*a*) Shape of the Earth ; rotation and revolution ; duration of day and night ; the seasons. Latitude and longitude

(*b*) Practical exercises based on simple contour maps. Outlines of the relief and drainage of the lands and study of the chief land-forms.

(*c*) The atmosphere. Study and measurement of temperature, pressure and rainfall as factors of weather. Climate. Seasonal distribution over the globe

(2) Relations with Europe—
Crimean War ; England and Russia.
(3) Imperial development.
(2) 1885—1914.
(1) England and Russia.
„ „ Germany.
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6. Kerr and Rushbrook Williams.—Growth of the British Empire (Longmans, Green & Co.).

7. Macmillan's Atlas of the British Empire.

8. Guest, G.—Outlines of British History (Oxford University Press, 1922). 2*s.* 6*d.*

9. Pupils' Study Book of English History by J. T. Mulley, Books II, III and IV, published by E. J. Arnold & Sons.

10. Raghu Kul Tilak : A History of Modern England, Urdu and Hindi (Indian Press, Allahabad).

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Syllabus.

I. (*a*) Shape of the Earth ; rotation and revolution ; duration of day and night ; the seasons. Latitude and longitude.

(*b*) Practical exercises based maps. Outlines of the relief and d and study of the chief land-forms.

(*c*) The atmosphere. Study of temperature, pressure and rainfal ther. Climate. Seasonal distribut

Urdu.

1. تذ أردو by Jalal-ud-din Ahmad (Anwar Ahmadi Press, Allahabad), (revised edition of 1926),

or

Khyaban Urdu (Indian Publishing House, Allahabad).

2. Nisab-i-Jadid, by Maulvi Mahdi Husain Nasiri, (Anwar Ahmadi Press, Allahabad.)

3. مصباح القواعد by Fateh Mohammad Jalandhari (Muslim University Press, Aligarh).

NOTE.—Obscene portions in the text-books are omitted.

For *Shikast* the book recommended is—

Majmua-i-Khatt-i-Shikast, by M. A. Siddiqui (Indian Publishing House, Allahabad),

or

جدید خط شکست by Mohammad Zamin Ali (Indian Press, Allahabad).

Books recommended for supplementary reading are not meant for teaching. They simply denote the standard of the passages to be set as "unseen":—

(1) توبة النصوح by Dr. Nazir Ahmad.

(2) پریم پچیسی by Prem Chand.

(3) جواہرات نثر by Makhmoor of Agra.

Bengali.

Prose.

Text prescribed :—

"Matriculation Bengali Selections", published by the Calcutta University (prose portion only).

The following books are recommended for supplementary reading :—

1. Iswarchandra Vidyasagar—"Sakuntalar Patigriha Yatra".
2. Akshaykumar Dutt—"Santosh-o-Parisram".
3. Bhudeo Mukhopadhaya—"Kajkara".

4. Gangaprasad Mukhopadhya—" Nitisiksha ".
5. Jagdishchandra Basu—" Bhagirathi Utsa Sandhane ".

Poetry.

Text prescribed :—

" Katha o Kahini ", by Rabindra Nath Tagore (excluding Avishar and Porishad, pages 26 to 43).

" Bhasha Bodh Vyakaran", by Nakuleshwara Vidyabhushan Re. 1 (recommended).

MARATHI.

Paper I —Poetry तांबे यांची कविता published by Wasudeo Govind Maydeo at the Jagadhitechhu Press, Poona, price Re. 1-4-0.

Paper II.—Prose मी (a novel), by Hari Narayan Apte.

Grammar.—R. B. Joshi's *Marathi Grammar*—" Praudhabodha "

Recommended for the use of teachers.

Marathi Grammar, by M. K. Damle (published by the Inderprakash Press, Bombay).

Gujarati.

Paper I, Prose —Balavilas, by M. N. Dwivedi

Paper II, Poetry —" Kusummala ", by N. B. Divitia.

For Grammar the following book is recommended :—

Madhyama Gujrati Vyakarana, by K P. Trivedi (N. M. Tripathi, Bombay).

B.—OPTIONAL SUBJECTS.

I.—CLASSICAL LANGUAGES.

There will be two papers, each of three hours, in each of these languages—the first paper will be in the prescribed texts and grammar, and the second paper in Translation, Composition, and Unseen.

SYLLABUS.

(a) Sanskrit.

Paper I.—(a) *Text-books.*

1. Sanskrit Pathavali, by Babu Ram Saksena (National Press, Allahabad), of which the following selections are prescribed :—

Numbers 1, 2, 4, 5, 7, 9, 10, 12, 13, 16, 17, 19, and 21 of part I and nos 1, 3, 7, 8, 10, 13, 14, 16, 17, 18 and 20 of part II.

2. संस्कृत परिचय by M M. Giridhara Sarma (Motilal Banarsidas, Lahore)

NOTE —The students should be taught to understand the passages, give their context and substance, and to learn the analysis of compounds, sandhis and the prose order of the poetry pieces

(b) *Grammar* —Simple sandhis and simple samasas. Declension of nouns and pronouns of frequent occurrence Conjugation in लट् लङ्, लोट्, विधिलिङ् and लृट् of verbs of frequent occurrence of all classes (गण) except those of अदादि, रुधादि, क्रयादि and जुहोत्यादि.

NOTE.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Books recommended for Grammar—

1. First and Second Book of Sanskrit by Bhandarkar

2. R K Banerjee's Sanskrit Grammar.

3. *Sanskrit Teacher, by K. P. Trivedi.*

4 Sanskrit Prathama Pustaka, by Professor Ram Bihari Lal, D. A -V. College, Cawnpore.

5 Sanskrit Praveshika, by Pandit Raja Ram, Professor, D. A -V. College, Lahore.

6. Upakramanika, printed by Khadgavilas Press, Bankipore.

7. Vigyan Dipika, by Pandit Sadashiva Shastri.

8. Sanskrit Vyakarana Bodha, by Pandit Kanhaiya Lal Shastri (Rai Sahib Ram Dayal Agarwala, Allahabad).

Paper II.—Translation, Composition, and Unseen.

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into the vernacular of the candidate ; and (*b*) translation of easy English or Hindi prose passage or sentences into Sanskrit.

Books recommended for rapid reading and for composition :—

(1) सरल कथा तरङ्गिणी by Veda Vyas, M.A. (Messrs. Uttar Chand Kapur and Sons, Lahore).

(2) राम कथा मञ्जरी compiled by Sant Gopal Chand Shastri (published by Ram Narain Lal).

(3) A Manual of Sanskrit Composition, by Lalleram Tewari (National Press, Allahabad).

(4) प्रवेशिका संस्कृत रचनानुवाद शिक्षा by महामहोपाध्याय पण्डित रघुनन्दन त्रिपाठी साहित्याचार्य ।

N B.—Sanskrit must be written in Devanagari character.

(*b*) Arabic.

Prescribed course—

Paper I (a)—*Text*. ادب‌العربی compiled by Zafar Iqbal, M.A., B.T., Lecturer, Central Training College, Lahore. Atar Chand Kapoor and Sons, Anarkali, Lahore) and the poems beginning with the following lines :—

(من الديوان المنسوب إلى امير المومنين علی ؏)

(۱) الناس من جهة التمثال اكفاء ـ

(۲) لبيك لبيك انت مولاه ـ

(٣) امن بعد تكفين النبي ص و دفنه –

(٤) كنا كزوج حمامة في ايكة –

(٥) إنما الدنيا فناء ليس للدنيا ثبوت –

(٦) تغرب عن الاوطان في طلب العلى –

(٧) اشدد حيازيمك للموت –

(٨) الحمد لله الجميل المفضل –

(٩) تنزه عن مصادقة اللئام –

(١٠) ان المكارم اخلاق مطهرة –

(للشافعي رض)

(١١) شكوت إلى وكيع سوء حفظي

(وجدت مكتوبة على قبر)

(١٢) أنظر إلى ما ترى يا ايها الرجل

(المناجاة)

(١٣) لك الحمد يا ذالجود والمجد والعلى

(اول شعر في رثاء الحسين ع لعقبة بن عميق السهمي)

(١٤) اذا العين قرت في الحياة و انتم

(قال يزيد بن الحكم يعظ ابنه بدرا)

" (١٥) يا بدر والامثال يضربها لذي اللب الحكيم

(*b*) *Grammar*—Mabadi-ul Arabia مبادي العربية by Shartuni, Urdu edition, edited by Maulvi Izzat Ullah (the Majidi Press, Cawnpore).

N B—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Paper II.—Translation, Composition, and Unseen :—

(*a*) Selected passages for translations into Urdu (Books recommended for supplementary reading indicate the standard of the passages to be set)

(*b*) Translation of English prose into Arabic.

Book recommended for supplementary reading :—

مدارج القراة (Anwar Ahmadi Press, Allahabad).

NOTE.—Arabic words must be written in Arabic character.

(c) Persian.

Prescribed course—

Paper I(a).—Text—

Prose.

Gulistan.—

(الف) سبب تالیف کتاب ـ یکشب تامل ایام گذشته مي
کردم .... مانده بود که کتاب گلستان تمام شد ـ

(ب) باب اول — در سیرت بادشاهان :—

(۱) حکایت اول ـ بادشاهی راشنیدم که بکشتن اسیر ....
جز نکو گوید ـ
نصیحت بر طاق ایوان فریدون.... بر روے خاک ـ

(۲) حکایت دوم ـ یکے از ملوک خراسان ....فلان نماند ـ

(۳) حکایت سوم ـ ملکزاده راشنیدم .... در بند اقلیمي
دگر ـ

(۴) حکایت چهارم ـ طائفهٔ دزدان عرب .... بجاے نیک
مردان ـ

(۵) حکایت پنجم ـ سرهنگ زاده را .... که آفتاب سیاه ـ

(۶) حکایت ششم ـ یکے را از ملوک عجم .... زبردستي
روزگار ـ

(۷) حکایت هفتم ـ بادشاهی باغلام عجمي .... اعراف
بهشت است ـ

(۸) حکایت هشتم یکي از ملوک عجم .... حذر بکنید ـ

(۹) حکایت نهم ـ هرمز را گفتند .... چشم پلنگ ـ

(۱۰) حکایت دهم ـ ببالین تربت .... نهند آدمی ـ

(۱۱) حکایت یازدهم ـ درویشے مستجاب ....مردم آزاري ـ

(۱۲) حکایت دوازدهم ـ یکے از ملوک .... مرده به ـ

(۱۳) حکایت سیزدهم ـ یکے را از ملوک شنیدم .... گرد
آیند ـ

(۱۴) حکایت چهاردهم ـ یکے از بادشاهان .... در عالم ـ

(۱۵) حکایت پانزدهم ـ یکے از وزرا .... نیا زارد
مثل سیاه گوش را .... ندیمان بگرار

(۱۶) حکایت شانزدہم – یکے از رفیقان .... سوراخ کردم –
(۱۷) حکایت ھفتدہم – تنے چند از روندگان .... می بر سنگ –
(۱۸) حکایت ھجدھم – ملک زادۂ گنج .... نکو گذاشت –
(۱۹) حکایت نوزدہم – آوردہ اند کہ .... مرغ بسیخ –
(۲۰) حکایت بستم – عاملے را دیدم .... مردم آزار
بار آمدیم بحکایت .... لعنت پائدار –
(۲۱) حکایت بست و یکم – مردم آزارے .... مغزش برار –
(۲۲) حکایت بست و دوم – یکی را از ملوک .... پاے پیل –
(۲۳) حکایت بست و سوم – یکے از بندگان .... نشستی –
(۲۴) حکایت بست و چہارم ملک زوزن .... اہل خرد –
(۲۵) حکایت بست و پنجم – یکی از ملوک عرب .... آستان دارد –
(۲۶) حکایت بست و ششم – ظالمے را .... بہم برکند –
لطیفۂ برتاج .... بخواهد رفت –
(۲۷) حکایت بست و ھفتم – یکے درصنعت .... نشانہ نکرد –
(۲۸) حکایت بست و ھشتم – درویشے مضرد .... دست بدست –
(۲۹) حکایت بست و نہم – یکی از وزرا .... ملک بودے
(۳۰) حکایت سی ام – پادشاہے بکشتن .... برخاست –
(۳۱) حکایت سی یکم – وزراے نوشیں رواں .... پرویں –
(۳۲) حکایت سی و دوم – شیادے .... کسل کنند –
(۳۳) حکایت سی و سوم – یکے از پسران .... باطل نگوید –
(۳۴) حکایت سی و چہارم – باطائفہ بزرگان .... کارها باشد –
(۳۵) حکایت سی و پنجم – دو برادر .... دوتا –
(۳۶) حکایت سی و ششم – کسے مژدہ .... جاودانی نیست –
(۳۷) حکایت سی و ھفتم – گروهے حکما .... گناہ است –
(۳۸) حکایت سی و ھشتم – هارون‌الرشید الخ – Omitted
(۳۹) حکایت سی و نہم یکی را از ملوک الخ – Omitted
(۴۰) حکایت چہلم – اسکندر رومی .... پائدار –

باب چهارم ـ در فوائد خاموشي
(۱) حکایت اول ـ یکی از دوستان .... موشک کور ـ
(۲) حکایت دوم ـ بازر گاني .... شادي کنان ـ
(۳) حکایت سوم ـ جواني خردمند .... دلیلش بیار ـ
(۴) حکایت چهارم ـ عالمی معتبر ـ Omitted .... ـ
(۵) حکایت پنجم ـ جالینوس .... نداني ـ
(۶) حکایت ششم ـ سحبان .... رئیس ـ
(۷) حکایت هفتم ـ یکی را از حکما .... خموش ـ
(۸) حکایت هشتم ـ تني چند .... یافت ـ
(۹) حکایت نهم ـ در عقد .... اوزد ـ
(۱۰) حکایت دهم ـ یکے از شعرا ... در مي چند ـ
(Instead of ایدچه .... مرد مانند
read این چه مرد مانند)
(۱۱) حکایت یازدهم ـ منجمي الخ ـ Omitted
(۱۲) حکایت دوازدهم ـ خطیبے .... عیب خویش ـ

2. (سفر انگلستان) سفر نامۂ ناصرالدین شاه from
ایدها مي رتصیدند to روز دوشنبه دوم ذیقعده

3. Anwar Suhaili انوار سہیلي by ملاحسین واعظ کاشفي
Chapter I up to حان من حود کردۂ خود کرده را تدبیر نیست

Poetry.

ا ـــ بوستان
باب اول ـ در عدل و راے و تدبیر جهانداري ـ
(۱) نگدمود کرسهاے .... بندۂ حق گذار ـ
(۲) حکایت ـ یکے دیدم .... پسند آیدش
(۳) پند دادن کسرے هرمز را ـ شنیدم که ... باشي بسے ـ
(۴) پند دادن خسرو شیر و یه را ـ شنیدم که خسرو ....
مردم درید ـ
(۵) حکایت ـ چه خوش .... بست هست ـ
(۶) حکایت شنیدم که شاپور .... بادۂ بست ـ
(۷) حکایت در تدبیر بادشاهان و تاخیر کردن درسیاست ـ
ز دریاے .... چندین ملک ـ

Omitted پشیمان شوي .... ملک را در خورشید Lines

(۸) گفتار ـ نه بر حکم .... بر نکرد ـ

(۹) حکایت در معنی شفقت بر رعیت شنیدم که بر ماندهي .... زمین ـ

(۱۰) حکایت ـ شنیدم که جمشید .... در گردنت ـ

(۱۱) حکایت ـ شنیدم که دارای .... کم بود ـ

(۱۲) گفتار ـ تو کی بشنوي .... خواهي نگوی ـ

(۱۳) حکایت خسرو یافت .... داد خواست ـ

(۱۴) حکایت ـ از بزرگان .... بن سعد راست

(۱۵) حکایت ـ اتابک مرحوم تکله بن زنگي رحمة الله تعالی ـ در اخبار .... داشتند ـ

(۱۶) حکایت ـ شنیدم که بگریست .... تا کاشتن ـ

(۱۷) حکایت ـ خدا درست نامي .... پند و گوش ـ

(۱۸) گفتار ـ مها زور مندي .... در گذشت ـ

(۱۹) حکایت در معني رحمت بر ناتوان در حال توانائي چنان قحط سالي .... در بوستان ـ

(۲۰) حکایت ـ شبي درد .... سمن ندروي ـ

(۲۱) گفتار ـ حذر داری .... نگرید کست ـ

(۲۲) حکایت ـ شنیدم که در مرز .... ظالم جست ـ

(۲۳) حکایت ـ یکی بر سر شاخ .... ز سعدي شنو ـ

(۲۴) صفت جمعیت اوقات درویش راضي ـ مگو جاهي .... شناخت ـ

(۲۵) حکایت ـ شنیدم که یکبار .... آید بگوش ـ

(۲۶) در معني نکوکاري و بدکاري و عاقبت آن ـ نکوکار مردم .... نه پیش

(۲۷) حکایت ـ گریزي .... چشمدار ـ

(۲۸) حکایت ـ حکایت کنند از یکی .... قیامت بماند ـ

(۲۹) حکایت ـ یکی پند مي داد .... لاغران ـ مع گفتار الا تا .... مرض ـ

(۳۰) حکایت درین معني ـ یکی را حکایت .... برخاستست ـ

باب چهارم – در فوائد خاموشي
(۱) حکایت اول – یکی از دوستان .... موشک کور –
(۲) حکایت دوم – بازرگاني .... شادي کنان –
(۳) حکایت سوم – جواني خردمند .... دلایلش بیار –
(۴) حکایت چهارم – عالمی معتبر – Omitted .... –
(۵) حکایت پنجم – جالینوس .... نداني –
(۶) حکایت ششم – سحبان .... ریس –
(۷) حکایت هفتم – یکی را از حکما .... خموش –
(۸) حکایت هشتم – تني چند .... یاست –
(۹) حکایت نهم – در عقد .... ارزد –
(۱۰) حکایت دهم – یکی از شعرا .... در مي چدد –
(Instead of اینچه .... مرد مانند
(این چه مرد مانند read
(۱۱) حکایت یازدهم – منحمي إلخ – Omitted
(۱۲) حکایت دوازدهم – خطیبی .... عیب خویش –
2. (سفر انگلستان) سفر نامهٔ ناصرالدین شاه from
اینها مي رتصیدند to روز دوشنبه دوم ذیقعده
3. Anwar Suhaili انوار سهیلي by ملاحسین واعظ کاشفي
Chapter I up to جان من خرد کردهٔ خود کرده را تدبیر نیست

Poetry.

ا – بوستان
باب اول – در عدل و راے و تدبیر جهانداري –
(۱) نگنجد کرمهاے .... بندهٔ حق گذار –
(۲) حکایت – یکے دیدم .... پسند آیدش
(۳) پند دادن کسرے هرمز را – شنیدم که ... باشي بسے –
(۴) پند دادن خسرو شیر و یه را – شنیدم که خسرو ....
مردم درید –
(۵) حکایت – چه خوش .... بست هست –
(۶) حکایت شنیدم که شاپور .... بادهٔ بست –
(۷) حکایت در تدبیر بادشاهان و تاخیر کردن درسیاست –
ز دریاے .... چندین ملک –

Omitted Lines پشیمان شوی .... ملک را در خورشید

نه بر حکم .... بر نکرد –

بیت در معنی شفقت بر رعیت شنیدم که

ماندهی .... زمین –

(۱۰) حکایت – شنیدم که جمشید .... در گردنت –

(۱۱) حکایت – شنیدم که دارا .... کم بود –

(۱۲) گفتار – تو کے نشنوی .... خواهی بگوے –

(۱۳) حکایت خبر یافت .... داد خواست –

(۱۴) حکایت – از بزرگان .... بن سعد راست

(۱۵) حکایت – اتابک مرحوم تکله بن زنگی رحمة الله تعالی – در اخبار .... داشتند –

(۱۶) حکایت – شنیدم که بگریست .... نا کاشتن –

(۱۷) حکایت – خدا درست نامی .... بند و گوش –

(۱۸) گفتار – مها زور مندی .... در گذشت –

(۱۹) حکایت در معنی رحمت بر ناتوان در حال توانائی

چنان قحط سالی .... در بوستان –

(۲۰) حکایت – شبی دود .... سخن ندروی –

(۲۱) گفتار – خبرداری .... بگرید کست –

(۲۲) حکایت – شنیدم که در مرزے .... ظلم جست –

(۲۳) حکایت – یکے بر سر شاخ .... و سعدی شنو –

(۲۴) صفت جمعیت اوقات درویش راست – مگو جاهے ....

شناخت –

(۲۵) حکایت – شنیدم که یکبار .... آید بگوش –

(۲۶) در معنی نکوکاری و بدکاری و عاقبت آن – نکوکار مردم ....

به پیش

(۲۷) حکایت – گربزی .... چشمدار –

(۲۸) حکایت – حکایت کنند از یکے .... قیامت بماند –

(۲۹) حکایت – یکے بند می داد .... فغران – مع گفتار –

الا تا .... مرض –

(۳۰) حکایت در حسن معنی – یکے را حکایت ....

(۳۱) گفتار – جهاں اے پسر .... خاموشي
(۳۲) حکایت شنیدم که در مصر .... بالین‌پوشک کور –
(۳۳) حکایت قزل ارسلاں .... کس است –
(۳۴) حکایت – چنیں گفت .... بري –
(۳۵) حکایت – چوالپ ارسلاں .... ده خداست –
(۳٦) حکایت بزرگے جفاپیشه .... اشارت بس است –
پست .... چو بام Line Omitted
(۳۷) حکایت – شنیدم که از نیکمردے .... خانست –
(۳۸) حکایت – یکے مشت زن .... زر نداشت –
(۳۹) حکایت – حکایت کنند از جفا .... مستحاب –
(۴۰) گفتار – همي تا بر آید .... در حلقهٔ کارزار –
(۴۱) گفتار – اندر نواخت لشکریاں – دلاور .... کارزار –
(۴۲) گفتار – به پیکار .... مصافش نکشت –
(۴۳) حکایت – چه خوش گفت .... غنیمت شمار –
مریز .... اگر چوں Line Omitted
(۴۴) گفتار – دو تن پرور –
زن .... قلمزن Line Omitted
(۴۵) گفتار – میاں دو بد خواه .... به آرام دل–
(۴٦) گفتار – اندر ملاطفت دشمن از روے عاقبت اندیشي–
چو شمشیر .... شمخوں بري –
(۴۷) گفتار – اندر حذر کودن از دشمني که در طاقت آید –
گرت خویش .... پیش برد –

باب دوم در احسان

(۱) اگر هوشمندي .... در مران –
(۲) گفتار اندر نواختن یتیماں و رحمت بر حال ایشان –
پدر مردہ .... سر برنتم پدر –
(۳) حکایت در ثمر نکو کاري – کسے دید در خواب ....
پیغمبران –
(۴) حکایت در اخلاق پیغمبران – شنیدم که یکهفته ....
یک زمان –
(2) پرست .... بکفنا لکیرم (1) Lines and
حال .... بدانست Omitted

Omitted پشیمان محسان با مردم نیک و بد - گره بر سر ....
حرد -

٦) حکایت عابد باشیان شرخ دیده - زبان‌داني ....
سعدی بگوش -

Omitted در نزد .... خرد از کوه Line

(٧) حکایت پدر ممسک و پسر جوانمرد - یکے رفت ....
حسیب -

(٨) مثل - بدحتم چه حوش .... لاغر شوی -

(٩) باز آمدم بحکایت فرزند خلف .... بری -

(١٠) حکایت اندر راحت رسانیدن همسایگان - برارید ....
علمست -

(١١) حکایت سنیدم که مردے .... بهر منزلے -

(١٢) حکایت - بسرهنگ .... تمیز -

(١٣) حکایت کریم تنگدست با سائل - یکے را کرم ....
چه باک -

(١٤) حکایت در معني احسان - یکے در بیابان ....
زبردست -

(١٥) حکایت - ببالیں درویشے .... زیر شد -

(١٦) حکایت یکي سیرت .... کسي ست -

(١٧) گفتار اندر جوانمردی و ثمرهٔ آن - ببخش اے پسر ....
دوست -

(١٨) حکات در معنی صید کردن دلها با احسان - بره
در یکے .... دو روز -

(١٩) حکایت درویش با روباه - یکی روبهی .... مخلق
خدائے -

(٢٠) حکایت عابد بخیل - شنیدم که مردیست.... سست -

(٢١) حکایت حاتم‌طائی و صفت جوانمردي وے - شنیدم
در ایام .... ماجرائے شنو -

(٢٢) حکایت در آزمودن پادشاه یمن حاتم را بازاد مردي
ندانم که گفت .... هم هند -

(۲۳) حکایت در آزاد مردی حاتم و ذکر پادشاه اسلام - زبنگاه حاتم .... زسعدي سخن -

(۲۴) حکایت در علم پادشاهان - یکے را خرے .... من اساء - زن .... یکے گفت Line Omitted

(۲۵) حکایت توانگر سفلہ و درویش صاحبدل - شنیدم کہ معروف .... و زان نہ آز -

(۲۶) گفتار - الاگر طلبگار .... ندب -

(۲۷) حکایت - یکے را پسر .... چارہا -

(۲۸) حکایت - زتاج ملکزادہ .... ظریف -

(۲۹) حکایت احسان اندک و ثمرہ آن بے نہایت - جوانی بدانگی .... نداندهم -

(۳۰) حکایت در معنی ثمرہ نیکو کاري - کسے دید .... سایہ در -

(۳۱) گفتار اندر هیبت ملوک و سیاست - بہ گفتیم در باب .... و داد -

(۳۲) گفتار در معنی احسان با کسے کہ سزاوار نباشد - شنیدم کہ مردے — زاعراض -

(۳۳) گفتار - چہ خوش گفت .... تدبیر راہ -

باب ششم در قناعت

خدا را ندانست .... تیرش حروری -

باب هفتم در تربیت

(۱) سخن در - بدن است تا گفتار اندر فضیلت خاموشی .... سوختست -

(۲) حکایت در حفظ اسرار - نکش با غلامان .... دم‌مزن -

(۳) حکایت - سلامت جاهل در حجاب خاموشی - یکے خوب خلق و .... مباش -

(۴) حکایت - یکی ناسزا .... مغزم برند -

(۴) حکایت - عضد را .... مشغول باش -

باب هشتم در شکر

(۱) حکایت جوان سر .... بگوش مع گفتار اندر صنع باری .... سپاس -

(۲) حکایت - نبرد ازماے .... « هیچ مع گفتار اندر
نظر .... میرود -

باب نهم در توبه

(۱) بیا اینکه عمرت .... فرصت شمار -
(۲) حکایت - شبے در جوانی .... نگور -
(۳) حکایت کهن سالي .... روزگار -
(۴) گفتار جوانا ره .... تمیز -

باب دهم در مناجات

بیا تا بر آریم .... بیدد از دم -

2. Aiynāi Sikandari, by Khusru خسرو

(a) Ode گر آسایشے خواهی از روزگار up to طرب ز لهٔ زندگاني بود
(b) Ode اگر دانشے داري اے نیک راے up to
که خواهد شدن منزل دیگرے

3. رباعیات عمر خیام, beginning with the following lines:—

(۱) عشاق بدر گهت اسیرند بیا
(۲) مرد آں نبود که خلق خوارند او را
(۳) چوں نو داشتم دل پر غم را
(۴) عاقل بچه اُمید دریں شوم سراے
(۵) اے خواجه یکے کام روا کن مارا
(۶) اے دل ز زمانه رسم احسان مطلب
(۷) چوں کار نه بر مراد ما خواهد رفت
(۸) هر کو ورقے ز عقل در دل بنگاشت
(۹) امروز ترا دسترس فردا نیست
(۱۰) سر از همه ناکسان نهاں باید داشت
(۱۱) هر دل که درو مهر و محبت بسرشت
(۱۲) هر گه که غمے ملازم دل شودت
(۱۳) در چشم محققان چه زیبا چه زشت
(۱۴) بسیار بگشتیم بگرد درو دشت - اندر همه الخ
(۱۵) بسیار بگشتیم بگرد درو دشت - یک کار من الخ
(۱۶) هر سبزه که برکنار جوے رستست

(۲۳) حکایت در آزاد مردی حاتم و ذکر بادشاه اسلام -
زندگاه حاتم .... زسعدی سخن -
(۲۴) حکایت در علم بادشاهان- یکے را خوے .... من‌اسا-
زن .... یکے گفت Omitted Line
(۲۵) حکایت توانگر سفاه و درویش صاحدل - شنیدم که
مغرورے .... و زان به آز -
(۲۶) گفتار - الاگر طلبکار .... ادب -
(۲۷) حکایت - یکے را پسر .... چارها -
(۲۸) حکایت - زناج ملکزاده .... ظریف -
(۲۹) حکایت احسان اندک و ثمرہ آن بے نهایت - جوانی
بدانگی .... ندانددهم -
(۳۰) حکایت در معنی ثمرہ نیکو کاري - کسے دید ....
سایه در -
(۳۱) گفتار اندر هیبت ملوک و سیاست - ده گفتیم در
باب .... و داد -
(۳۲) گفتار در معنی احسان با کسے که سزاوار نباشد -
شنیدم که مردے — راه‌راس -
(۳۳) گفتار - چه خوش گفت .... تدبیر راه -

باب ششم در قناعت

خدا را ندانست .... تیرش خوری -

باب هفتم در تربیت

(۱) سخن در - بندن کسے تا گفتار اندر فضیلت
خاموشی .... سوختست -
(۲) حکایت در حفظ اسرار - نکش با غلامان .... دم‌زن -
(۳) حکایت - سلامت جاهل در حجاب خاموشی - یکے
خوب خلق و .... مباش -
(۴) حکایت - یکی ناسزا .... مغزم برند -
(۴) حکایت - عضد را .... مشغول باش -

باب هشتم در شکر

(۱) حکایت جوان سر .... بگوش مع گفتار اندر صنع
باری .... سپاس -

(۲) [illegible] انکر
[illegible]

[illegible]

(۱) [illegible]
(۲) [illegible]
(۳) [illegible]
(۴) [illegible]

[illegible]

[illegible]

2. Aynai Sikandar, by [illegible]
[illegible]

(a) Ode [illegible] از روزگار

(b) Ode اے نیک رائے [illegible]
[illegible] منزل دیگرے

3. [illegible] رباعیات عمر خیام
lines :—

(۱) [illegible]
(۲) [illegible]
(۳) [illegible]
(۴) [illegible]
(۵) [illegible]
(۶) [illegible]
(۷) [illegible]
(۸) [illegible]
(۹) [illegible]
(۱۰) [illegible]
(۱۱) [illegible]
(۱۲) [illegible]
(۱۳) [illegible]
(۱۴) [illegible] الخ
(۱۵) [illegible] یک کار من الخ
[illegible]

Meaning of ordinary commer
viations. Preparation of simple
such as indents, invoices, bills
:.es, statements of accoun
Lading and Railway P
on, involving the
pass

(۱۷) آن به که دریں
(۱۸) چندیں غم مال
(۱۹) چوں مردن تو مردن
(۲۰) هشدار که روزگار شور انگیز
(۲۱) با دشمن و دوست فعل نیکو
(۲۲) اے دل چو نصیب تو همه خون شده
(۲۳) بتخانهٔ و کعبه خانهٔ بندگي است
(۲۴) گل گفت به از لقاے من روے نیست

NOTE.—Obscene portions in the text-books are omitted.

(b) *Grammar.*—قواعدفارسي عملي by Maulvi Ishaq Al
Indian Press, Allahabad) or جامع‌القواعد by Azad (R. S
Gulab Singh and Sons, Lahore).

Paper II.—Translation, Composition and Unseen :—

(a) Selected passages for translation into Urdu Books recommended for supplementary reading indicate he standard of the passages to be set); (b) an easy omposition exercise in Persian, and (c) translation of English prose into Persian.

Books recommended for supplementary reading :—

1. فارسي جديد حصه دوم مصنفه مولوي محمد علي ايراني پروفيسر نظام كالج حيدرآباد دكن

2. عيار دانش

Students who offer Persian are required to have such a knowledge of the etymology of the Arabic language as will enable them to explain all Arabic words and phrases which may occur in the text-books and in the books recommended for rapid reading in Persian.

NOTE.—Persian words must be written in Persian character.

(d) Latin.

Paper I.—(a) Prescribed Prose and Poetry.

Meaning of ordinary commercial terms and abbreviations. Preparation of simple commercial documents, such as indents, invoices, bills of exchange, promissory notes, statements of account. Nature and use of Bills Lading and Railway Receipts. Simple banking transaction, involving the nature and use of cheques, deposit and pass books.

Books recommended :—

1. Extracts from Business Methods and Correspondence, by Arthur Fieldhouse.

2. Commercial Practice by Roop Ram Gupta and K. L. Govil, Part I (Messrs. Gautama Bros. & Co., Cawnpore).

Typewriting.

There will be no practical examination on the typewriter, but only a theory paper of two hours' duration involving questions on—

*(a) The mechanical construction of the typewriter;

(b) care of the machine;

(c) display of matter, including headings and titles; centering; contractions and abbreviations; hyphenation; punctuation; stencilcutting; adaptation of one or more characters to represent characters not given on the keyboard; corrections; erasures.

There will also be a second paper of one hour's duration consisting of type-copying of three manuscripts.

Book recommended :—

Pitman's or Remington's Typewriting Manual.

* Questions on the mechanism of the typewriter will be of a general nature, so that students who are acquainted with the mechanism of any of the more popular typewriting machines will be able to answer the questions (*vide* G. L. no. B/2773/VI—3, dated September 15, 1924, from the Secretary of the Board).

Book-keeping.

Elementary theory of double entry book-keeping. Preparation and keeping of the Cash Book, Bought ·d Sold Books, Returns Books, Bills Receivable and ·ls Payable Books, Journal and Ledger; recording ·ein simple transactions involving purchases and ·; bills receivable and payable; real, personal and nominal accounts such as rent, salaries, interest, discounts, bad debts, and depreciation. Drawing up the Trial Balance, Closing the Ledger, and Preparing Trading and Profit and Loss Accounts and Balance Sheet. Simple banking transactions involving the nature and use of cheques, deposit slips and pass book, and preparation of Bank Reconciliaton Statements. The nature and use of Bills of Exchange and Promissory Notes. Petty Cash and Imprest Systems.

Book recommended·—

Elementary Book-keeping, by Arthur Fieldhouse (Simpkin, Marshall & Co, Limited, London, E.C., 4.)

III.—SCIENCE (PHYSICS AND CHEMISTRY).

The examination will consist of two papers—one in Physics and one in Chemistry, each of three hours.

Physics.

Syllabus.

Definition of Physics, measurements of length, area, volume, mass and weight The balance Density, specific gravity. Principle of Archimedes The three states of matter. Pressure of air, simple barometer.

Heat.—Expansion of solids, liquids, and gases, temperature, thermometers, melting and boiling points, conduction, convection and radiation. Unit of heat, specific heat, change of state, latent heat Easy calculations.

Light.—Rectilineal propagation of light. Reflection, refraction, plane concave, convex mirrors, concave and convex lenses and prisms. Position of object and image with easy calculations. Dispersion.

Magnetism.—Attraction and repulsion, magnetization, terrestrial magnetism, magnetic meridian. The compass.

Electricity.—Electrification by friction. Properties of a charged body. Conductors and insulators. The electroscope. Induction. The electrophorus. A simple cell, simple forms of primary cells, arrangement of cells in series and parallel, magnetic and heating effect of a current. The simple galvanoscope, simple explanation of the telegraph, the electric bell, electric light.

Practical Work.

The following list of experiments indicates the minimum amount of practical work required to be performed by students. Other experiments of equal educational value may be substituted. The experiments should be performed individually as far as can be arranged. The teaching of theory should be fully illustrated by experiments, and demonstrations are to be considered an essential part of the teacher's work.

NOTE.—A chart giving a list of the experiments to be performed and the date on which each student completes each experiment should be maintained and hung in the laboratory at each school recognized in Science (*vide* G. L. no. B/3149—3300/V—36, dated December 21, 1925, from the Secretary of the Board).

General.—Determination of the relative density of—

(*a*) bodies which float in water,

(*b*) bodies which sink in water,

(*c*) liquids.

Use of the calipers.

Determination of the radius of a wire by Archemedes' Principle.

Determination of the internal radius of a narrow tube.

Principle of moments.

Light.—Reflection at a plane mirror.

Focal length of a concave mirror.

Refraction through a prism.

Refractive index of glass and water.

Focal length of a convex lens.

Heat.—Cooling curve of water and wax or naphthalene.

Determination of the water equivalent of a calorimeter.

Determination of Specific Heat.

Determination of the Latent Heat of Ice.

Determination of the Latent Heat of Steam.

Magnetism.—Mapping out lines of force by a small magnet.

Determination of the direction of the Magnetic Meridian.

Electricity.—Charging an electroscope by Conduction and Induction.

The magnetic effect of a current on a magnetic needle.

The electro-magnet.

Book recommended :—

Experimental Science for Indian Schools, by Gregory and Hodges (Macmillan), Rs. 3

The following books on Physics are recommended for teachers' reference library —

1. Everyday Physics, by H. E Hadley. (Macmillan & Co). Rs. 4, or

An Introduction to Physical Science, by Ivor B. Hart. (Oxford University Press.) Rs. 2.

2. A Class Book of Physics, by R. A. Gregory and H. E. Hadley. (Macmillan & Co.) Rs. 3-12.
3. A Course of Physics, by Charles H. Draper. (Blackie & Sons.) Rs. 3-12.
4. An Elementary Physics, by K. C. Bhattacharya. (Indian Press, Allahabad) Rs. 2.

Chemistry.

Definition of chemistry.

Common properties of matter: hardness, porosity, brittleness, solid, liquid and gaseous states. Change of state. Melting and boiling points.

Crystalline shape, effect of heat on common things.

Solution in water. The above to be studied with $NaCl$, KNO_3, $CaCO_3$, Na_2CO_3, $CuSO_4\ 5H_2O$, $FeSO_4\ 7H_2O$, $ZnSO_4\ 7H_2O$, Fe, Zn, Sn, Mg, Pb, Hg, P, S, Shellac and linseed oil.

Solution, melting, evaporation, distillation, filtration, solution in water and alcohol. Water of crystallization Slow and rapid evaporation, saturated solutions. Crystallization studied from solutions in water and of melted sulphur. Distillation of water, mixtures immiscible liquids. Elementary and compound substances. Non-metals and metals. Chemical symbols. Chemical action, the laws of definite proportion, atoms, molecules, atomic and molecular weights, valency, relation between equivalent and atomic weights Simple formulæ and equations.

Study of air—Rusting of metals, oxidation, active and inactive gases in air. Burning of phosphorus. Meaning *of combustion, slow and rapid combustion studied* with iron, magnesium, and phosphorus.

Oxygen gas; prepared from oxide of mercury, and potassium chlorate. Important properties of oxygen gas.

Acidic and basic oxides, acids, bases and salts.

Preparation and properties of the following :—

Hydrogen, Nitrogen, Ammonia, Chlorine, Hydrochloric acid, Nitric acid, Carbon dioxide.

Carbon—Properties and varieties

Action of carbon dioxide on animal and plant life.

Sulphur—Properties and varieties.

Preparation and properties of sulphur dioxide and sulphuric acid, their preparation treated in a very elementary manner—sulphur dioxide by burning sulphur in air and by the action of hydrochloric acid on calcium sulphite and sulphuric acid by the action of nitric acid on sulphur dioxide and water.

Study of Water—Action of steam on red-hot iron filings

Action of sodium on water Action of magnesium on steam. Electrolysis of water.

NOTES.—1 The detailed course given below indicates the minimum amount of practical work required to be performed by students and suggests a method of treatment of the syllabus for the guidance of teachers. They may substitute other experiments of equal educational value. Practical work should be co-ordinated with the theoretical work and follow it consecutively, as far as possible The practical experiment should be performed individually so far as can be arranged.

2 A chart giving a list of the experiments to be performed and the date on which each student completes each experiment should be maintained and hung in the laboratory of each school recognized in Science (vide G. L. no. B/3149—3300/V—30, dated December 21, 1925, from the Secretary of the Board).

The use of stencils in answering papers in science is not allowed.

(*Classes IX and X.*)

Classes IX and X will have six periods of Science per week—for at least 27 working weeks; this gives a total of 162 periods in class IX :—

Subject.	Detailed syllabus.	Minimum list of experiments which should be done by the pupils individually.
Chemistry ..	Effect of dissolved substances on boiling point.	To find B. P. of solutions of calcium chloride. Solution of different strengths.
	Distillation. Purification of water.	To bend tubes, bore corks, set up apparatus for distillation, and find B. P. before and after distillation.
	Elements and compounds..	To examine the element—sulphur, copper, lead, mercury, zinc. To examine the compounds, ferrous sulphate, copper sulphate, lead oxide, mercury oxide, and regain the elements where possible.
	Metals and non metals, properties :—	
	The atmosphere. Combustion, active and inactive air	Burning a candle in a bell jar Repeat with sulphur, phosphorus To measure the proportion of air used up when a substance burns in air.
	Rusting	To show iron will not rust in dry air. To measure the air used up when iron rusts in air.
	Increase in mass in rusting and burning.	To show increase in mass when magnesium and iron burn in air and when iron rusts in air—when a candle burns in air.

Subject.	Detailed syllabus.	Minimum list of experiments which should be done by the pupils individually.
	Explanation of above Introduction of terms "Oxygen" and "Nitrogen".	
	Oxygen	Preparation from mercuric oxide and potassium chlorate in small quantities and on large scale from manganese dioxide and potassium chlorate, its properties.
		To show loss in mass when potassium chlorate is heated.
	Metals and non-metals. *Oxides.*	Their basic and acidic properties.
	Nitrogen Its use in the atmosphere.	Properties, to find accurately percentage of nitrogen in air by pyrogallic acid. (Lecture-room)
	Water not an element ..	Action of sodium on water. Action of magnesium on boiling water Action of steam on iron (Lecture room) Examination of oxide of iron formed. Increase in mass, comparison with iron rust.
	Résumé of above. Introduction of term "Hydrogen".	
	Preparation of Hydrogen and its properties.	From zinc and sulphuric acid. What happens to the zinc? What happens when hydrogen burns in air? Explosion of hydrogen with air.
		Electrolysis of water and its composition by volume. Action of hydrogen on the oxides of copper and iron when heated. (Lecture room.)
	Carbon	Properties and varieties.

Subject.	Detailed syllabus.	Minimum list of experiments which should be done by the pupils individually.
	Demonstration lesson ..	Formation when carbon or carbonaceous matter burns in air.
	Carbonic acid gas. Chalk ..	Effects of acids on chalk. Examination of the gas, properties of gas obtained by the effect of strongly heating chalk. Examination of lime, difference between properties of chalk and lime, loss in mass on heating chalk.
	Résumé of above. Animal and plant life.	Formation of oxygen by plants. (Lecture room.)
	Chlorine gas	Preparation from manganese dioxide and hydrochloric acid. Its properties.
	Hydrochloric acid gas ..	Preparation from sodium chloride and sulphuric acid. Its properties.
	Ammonia gas ..	Preparation from ammonium chloride and quicklime. Its properties.
	Sulphur	Effect of heat.

The books *recommended* for use in Chemistry are—

1. Gregory and Hodges : Experimental Science for Indian Schools. (Macmillan).

2. Wilson and Hedley : A School Chemistry for India (Oxford University Press).

3. K. Kumar : Chemistry for Classes IX and X. (Bhargava, Chandausi).

IV.—AGRICULTURE.

The examination will consist of two papers of three hours each.

The first paper will be on the subject-matter in the syllabus up to and including sub-section (5)—Tillage; and the second paper on the remaining portion.

SYLLABUS.

(1) *Climatology*.—Weather and seasons in the country and in the provinces.

(2) *Soils*.—Soil-forming processes.

Classification of soils.—Local classification—Clayey, Loam, Sandy, Kankar, Saline, Silt, Goind, Ahar, Uparhar Subsoil

Mechanical analysis of soils.—Determination of Stones. Gravels, Sand and Clay.

Texture of soils.—Arrangement and size of particles of soil; Specific gravity; Pore space; Surfaces exposed; Friability.

Organic matter in the soils.—Its sources and distribution and maintenance. Its effect on soil.

Soil water.—Its forms, its movements.

Control of soil moisture.—Run-off losses; Percolation; Evaporation. Methods of checking the same.

Soil heat.—Relation of heat to germination and growth. Sources of soil heat. Factors affecting soil temperature. Effect of colour, Radiation, Convection and Conduction.

(3) *Irrigation and Drainage*:—

Water requirements of plants.—Factors affecting transpiration. Wilting point. Conserving of moisture. Effect of excessive moisture.

Sources of water of irrigation.—Rain, its annual and seasonal variations; Wells, Rivers, Canals, Tanks and Bandhis.

Types of simple water lifts.—Persian Wheel, Chain Pump, Charsa, Baldeo Balti, Dhekli.

Subject.	Detailed syllabus.	Minimum list of experiments which should be done by the pupils *individually*.
	Demonstration lesson ..	Formation when carbon or carbonaceous matter burns in air.
	Carbonic acid gas. Chalk ..	*Effects of acids on chalk.* Examination of the gas, *properties of gas obtained* by the effect of strongly heating chalk. Examination of lime, difference between properties of chalk and lime, loss in mass on heating chalk.
	Résumé of above. Animal and plant life	Formation of oxygen by plants. (Lecture room.)
	Chlorine gas . ..	Preparation from manganese dioxide and hydrochloric acid. Its properties.
	Hydrochloric acid gas ..	Preparation from sodium chloride and sulphuric acid. Its properties.
	Ammonia gas ..	Preparation from ammonium chloride and quicklime. Its properties.
	Sulphur	Effect of heat.

The books *recommended* for use in Chemistry are—

1. Gregory and Hodges : Experimental Science for Indian Schools. (Macmillan).

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SYLLABUS.

(1) *Climatology.*—Weather and seasons in the country and in the provinces.

(2) *Soils.*—Soil-forming processes.

Classification of soils.—Local classification—Clayey, Loam, Sandy, Kankar, Saline, Silt, Goind, Ahar, Uparhar Subsoil.

Mechanical analysis of soils —Determination of Stones. Gravels, Sand and Clay

Texture of soils.—Arrangement and size of particles of soil; Specific gravity; Pore space; Surfaces exposed; Friability.

Organic matter in the soils.—Its sources and distribution and maintenance. Its effect on soil.

Soil water.—Its forms, its movements.

Control of soil moisture.—Run-off losses; Percolation; Evaporation. Methods of checking the same.

Soil heat —Relation of heat to germination and growth Sources of soil heat. Factors affecting soil temperature. Effect of colour, Radiation, Convection and Conduction.

(3) *Irrigation and Drainage* .—

Water requirements of plants.—Factors affecting transpiration. Wilting point. Conserving of moisture. Effect of excessive moisture.

Sources of water of irrigation.—Rain, its annual and seasonal variations; Wells, Rivers, Canals, Tanks and Bandhis.

Types of simple water lifts.—Persian Wheel, Chain Pump, Charsa, Baldeo Balti, Dhekli.

7. Records of notes of cultivation of at least one kharif crop, one rabi crop, one garden crop, from the time of preparation of seed-bed to marketing, actually observed by the candidate.

8 Description of local breeds of farm animals. Recognition of different feeding stuffs.

General lay-out of farm buildings.

Books recommended .—

1. Meston Readers, Parts 1 to 3, by K. S. M. A. Quyum.
2. Krishi Shastra or Ilm Zarayat, by Tej Shanker Kochak.
3. Notes on Poultry-keeping in India, by Mrs. A. K. Fawkes
4. Tisdale's Books on Dairying.
5. Monthly Journals, Leaflets, and Bulletins issued by the United Provinces Agricultural Department
6. Lessons in Indian Agriculture, by D. Clouston. Macmillan & Co , Ltd.
7. Rahber Zarait, by T. S. Kochak, published by the author. Price, Rs. 2-8-0.
8. Krishi Vigyan, Part I, by Sita Prasad Tiwari.

V.—DRAWING.

The examination will consist of two papers of three hours each ; the first paper on Free Arm Drawing and the second paper on Geometrical Drawing.

SYLLABUS

Free Arm.—This should be in Pastel, and should comprise common objects from nature.

The round.—Such as Orange, Mango, Apple, Tomato, Lichi, Melon, Peach ; Hockey and other Balls, Nutmeg, Walnut, etc.

The Cylindrical.—Such as Flower-pot, Household Utensils, Degchies, Cups, Saucers, Surahi, Bowls, Tumblers, Lotas, Bottles of kinds, Ink-pots, Gloy Bottle, Paper-weight, Candle-stick, etc.

The Rectilinear.—Open Book, Cigar and Cigarette Boxes, Match Box, Attaché Case, Cash Box, Flags, etc.

Miscellaneous.—Hockey Sticks, Cricket Bat, Tennis Racket, Mallet, Hammer, Screw Driver, Chisels, Padlock Key, Scissors, Knives, Hatchet, etc.

Nature Study.—Simple flowers and leaves of all sorts, Butterflies, Beetles, etc.

The above outline which is but suggestive should be in Pastel on Tinted Paper and will involve instruction in the art of Blending Colours, Colour Harmonies, Colour Schemes, and Shadows.

Text-books recommended :—

Pastel work for the standards, 3 volumes, by A G. Tomkins, Messrs Isaac Pitman & Sons, London, Bath and New York. Rs 3 each volume.

Materials.—Pastels, Paper, etc. (Reeves). Obtainable from Messrs. J. N. Navalakhi & Co., Kalbadevi Road, Bombay.

Pastels, Agra Pencil Factory, Tajganj, Agra.

Geometrical Drawing.—(1) The theory and use of instruments especially of the protractor and Marquoise scale.

(2) Plain block-letter writing.

(3) The whole of practical plane geometry.

(4) Drawing to scale, viz, scale of chords; diagonal scale; plain scale; comparative scales (to be done in ink)

Text-books recommended :—

1. Geometry, Plane and Solid (Morris), Longmans, Green & Co., Bombay and London.

8. Educational Handwork or Manual Training, by A. H. Jenkins. (University Tutorial Press, Burlington House, Cambridge).

9. The "Self-Help" Course of Woodwork Exercise, by E. J Andrews. (Charles and Dible, 10, Paternoster Square, London.) 2*s*. net.

10. Handicraft in Wood and Metal, Shirley and Hooper, Batsford, Rs. 9.

VII.—A MODERN EUROPEAN LANGUAGE.

French.

There will be two papers of three hours each. The first paper will consist of passages for translation from the prescribed Text-books, questions on the prescribed Text-books, and questions on Grammar. The second paper will consist of Unseen passages and idiomatic phrases for translation from French into English and *vice versa*.

Books prescribed :—

1. *Ed. About* :—Le Nez d'un Notaire. Macmillan's Edition (Siepmann's Series)
2. *Du Camp* :—La Dette de Jeu (Cambridge University Press).
3. *Daudet* :—Letters de mon Moulin [Edited by Bradly and Rieu (Clarendon Press)].
4. French Poetry for advanced students by A. Watson Bain (Macmillan and Co.), of which poems numbered 1, 9, 11, 12, 13, 14, 16, 31, 48 and 56 are prescribed.

Grammar recommended :—

French Grammar (Sonnenchein's Parallel Grammar Series) *or* Heath's Modern French Grammar (Harrap).

NOTE.—The *viva voce* Examination has been dropped for the present.

VIII.—DOMESTIC SCIENCE.

The examination will consist of two papers of three hours each. The first paper will contain questions on Physiology, Hygiene, Household Management, and Home-Nursing. The second paper will consist of the practical examination in Sewing to be held at the same

time as the examination in written work. There will also be an oral test in First Aid and Home-Nursing and a practical test in Cooking.

SYLLABUS.

As a basis for the teaching of Hygiene and Home-Nursing there should be a preliminary simple treatment of the following topics on Elementary Physiology :—

The human skeleton, the organs of digestion, the circulation of the blood, the nervous system, respiration.

I.—Hygiene.

NOTE—Great importance should be attached to practical work wherever the subject admits of this.

Air.—Composition of air, importance of pure air, impurities of air, diseases caused by impure air, ventilation.

Water.—Composition of water; quantity of water required; source of water-supply, springs, deep wells, surface wells, rivers, tanks; how water is polluted; how to prevent pollution of water; how to purify water; boiling and filtering.

Food.—Composition of food, composition of good diet and its importance; preservation of food; cooking of food; drinks and condiments.

Personal Hygiene.—Cleanliness of body (hair, nails, teeth, etc); clothing; exercise; importance of temperance; the use of *pan*, opium, and other drugs; spitting.

Precautions against diseases.—Infectious diseases (small-pox, measles, and diphtheria, etc.); colds and influenza; tuberculosis; enteric fever; dysentery and diarrhoea; cholera; plague; malaria; itch; leprosy; ophthalmia (sore eyes).

II.—First Aid.

Roller bandage, figure of eight as applied to knee, elbow, finger, ear; bandage for eye, nose, chin; Bleeding of different kinds; how to stop bleeding; drowning;

burns; scalds; bruises; sprains; broken bones; dislocation; carrying injured people; fainting; sunstroke; hysteria; epilepsy; suffocation; oreign bodies in eye, ear, nose, and throat; bites of mad dogs; signs of madness in dogs; snake-bites, stings.

III.—Home-nursing.

NOTE.—None of the work is to be purely theoretical. Practice must be given in every point which allows of practical work

1. *Room* —Bed; bedding, furniture; light; warmth; ventilation.

2. *Nurse.*—Health; dress; qualifications of a nurse.

3. *Duties of Nurse.* Administration of medicine; pulse and temperature charts, bathing; changing of garments and bedding.

4. *External Remedies.*—Poultices; plasters, fomentations, ice; sponging; baths; temperature of baths.

5. *Food.*—Kind of food and preparation; way of giving.

6. *Infectious illness.*—Precautions during illness; disinfection of room, clothing, and bedding after illness; use of disinfectants

7. *Convalescence.*—Occupations; visitors; rest; sleep and food

IV.—Care and Training of Children

Food, sleep, exercise, play, clothing, cleanliness, surroundings.

V—Household Management.

A.—Choice of House Furniture and Decoration. Distribution of rooms. Cleansing and care of house and furniture Disposal of refuse and sewage Precautions against flies and mosquitoes.

B.—Care of the kitchen.

Preparation of simple food.

Two of the following groups :—

(*i*) preparation of *roti*, rice, *dal*, and *tarkari*;

(*ii*) preparation and care of milk;

(*iii*) preparation and care of meat. (One dish only required.)

C.—Duties of the mistress of household.

Proper distribution of daily activities. Accounts and budgeting of expenditure.

VI.—Clothing.

(*i*) Choice and care of the clothing.

(*ii*) *Methods of washing cotton,* woollen, and silk materials.

NOTE.—Practical work should be done, if possible.

(*iii*) Sewing and cutting out

A good standard of skill will be required in the various *stitches that are necessary in making up garments* and in mending worn articles of clothing.

Each candidate should select three of the following groups —

(*a*) To cut and make up coat (*achkan*) or (*pyjama*) or shirt (*kurta*) or waistcoat for a man.

(*b*) To cut out and make up *kurti* or blouse or skirt or petticoat or *pyjama* for a woman.

(*c*) To cut out and make up frock or bonnet or *pyjama* or *bandi* for a child

(*d*) Drawn thread or crewel work or English embroidery or *chikan* work or *sulme sitare.*

(*e*) Spinning.

(*f*) Weaving.

NOTE —As an indication of the scope and standard of instruction in Hygiene and Home-Nursing, teachers are referred to sections II, III and IV of Personal and Domestic Hygiene for the School and Home by Mrs. Harold Hendley (Rai Sahib M Gulab Singh & Sons, Lahore), also to Indian Manual of First Aid and Indian Home-Nursing, published by the Indian Council of the St. John's Ambulance Association (Thacker, Spink & Co., Calcutta).

Books for teachers' reference :—

1. Physiology, by T. Huxley.

2. Tropical Hygiene, Lukis and Blackham (Thacker, Spink & Co.)

3. Outline of Domestic Science (for Indian Readers), by Lilian Sawtell (Longmans, Green & Co.)

4. Training of Children under five years.

5. Child-Welfare, by Dr. S. K. Mukherji (Indian Press, Allahabad).

IX.—METAL WORK

The examination will consist of one paper of three hours in Drawing and Theory and a practical test for four hours in Forging and Fitting Work.

Syllabus.

(*a*) *Practical work* —A series of models graded in respect of tool manipulations to be made in metal from Working Drawings or from Patterns, and involving the use of Forge, Anvil, Vice, Tongs, Top and Bottom Tools, Drills, Hammers, Files, Stocks and Dies, etc. Exercises should include Drawing Down, Upsetting, Welding, Annealing, Hardening and Tempering, Rivetting, etc, and such objects as Punches (nail and centre) Scribing Knife, Nuts and Bolts, Rings, Chain Links, Hasp and Staple, Keys (for shafting), Coat Hook, Wall Bracket, Letter Weight, Calipers, Wall-Holdfast, Cold Chisels, Drills, etc

(*b*) *Theoretical work* —Properties and uses of different metals, Iron (malleable and cast), Steel, Brass, etc. Sections and weights of above, Length calculations. Working heats, Care and maintenance of tools, forge, etc.

(c) *Drawing.*—In orthographic projection of all models made during the course.

Books recommended :—

1. Smithy and Forge Crane, approximate price Rs. 2, Publishers, Crosby Lockwood.

2. Smith's Works, Hasluck, Rs. 2, Cassels.

3. Educational Handwork, Jenkins, Rs. 3, University Tutorial Press.

4. Handicraft in Wood and Metal, Shirley and Hooper, Rs. 9, Batsford

5. Plain and Ornamental Forging, Schwarzkopf, Wiley & Sons, Rs. 6-8-0.

X.—HISTORY OR GEOGRAPHY.

(The same course as in the compulsory subject.)

XI.—BOOK-BINDING

The examination will consist of one paper of three hours and a practical examination (including oral test) not exceeding four hours.

Syllabus—

Theory (*a*) :—Paper, its history and manufacture, varieties, sizes, weight, colour, surface, etc.

General book-binding materials, threads, tapes, covers, edges, tops, backings in various materials, cloth, leather, vellum. Adhesives, manufacture and use. Forms of binding, cloth paper, quarter and half leather.

Decorative materials, gold leaf, silver-leaf, inks, colours and varnishes

Tools and appliances (*b*) :—Guillotine, Stitching, Frame, Punching Frame, Backing Press, Standing Press, hand working tools, hammers, punches, scissors, needles, knives, embossing tools, etc.

Practical (*c*) :—Folding and cutting papers to various sizes. Sewing by various methods including section, and Tanni Silai. Rounding and backing, covers and corners in cloth, leather, etc. Simple decoration of book covers by tooling, embossing and colouring on various materials, lettering and gilding. The repair and re-backing of old books, care of books, preservation and repair.

Books suggested—(*a*) for teachers—Book-binding and the care of Books, by John Hogg.
(*b*) for students—Book-binding, by Cassels.

XII.—SPINNING AND WEAVING.

The examination will consist of one paper of three hours and a practical examination (including oral test) not exceeding four hours.

Syllabus—

Spinning—(*a*) *Theory*.

1. A brief survey of the principles of seed selection, land preparation, cultivation, growth, distribution, ginning and marketing of cotton.

2. Types and classes of the different cottons grown in the various parts of the world with particular reference to Indian-grown cottons The utilization of all classes of cotton for the various kinds of cloth

3 The physical properties of cotton, structure, length, diameter and colour of the different varieties.

4. The preparation of the cotton fibre for hand spinning, hand ginning and cleaning.

5. Spinning by the spinning wheel The principles of hand drawing, twisting and winding in comparison with various types of spinning wheel.

6. The qualities and usefulness of well-spun yarn. The effect of spinning on the preparatory and weaving processes.

7. Methods of disposal of yarn.

8. A brief survey of other raw materials used in spinning such as wool, silk, waste silk.

Spinning—(b) Practical.

The spinning wheel and its manipulation, three principles in operation, viz., drawing, twisting, and winding.

Weaving—(a) Theory.

1 Its numeration and explanation of the different forms in which yarn is supplied to the weaving section for making into cloth, e g., cops, hanks, cones, cheeses, etc.

2. Winding on the " Charkha " and methods adopted when winding from the forms mentioned above. The necessity of good winding and also of the traverse showing how badly-made bobbins affect the subsequent processes.

3. Warping and its object. The methods used, such as single-end, multiple and Ball-waping machine in the making of warps for the loom

4. Sizing and its necessity. The common ingredients used and the methods of application to the yarn. The effect of faulty sizing and application in the after processes.

5 Methods used in the running-off of warps on the weaver's beam.

6. Drawing in, its necessity, object and manipulation, Healds and Reeds, Drawing-in-implements.

Weaving :—" Gaiting " the warp in the loom. Explanation of the three main motions, viz., shedding, picking, beating-up. Shedding as done by pedals and applied to the various types

of cloth. The manipulation of the pedals, picking and how it is done. Beating-up to produce different thickness or fineness of cloth. Description or the parts in a sley; shuttle, pickers, shuttle boxes and all sundry parts.

Calculations:—The system of counting cotton-wool, silk, etc., yarns.

The testing of counts, folding of yarns, quantity of warp and weft in a piece of cloth. Head knitting, reeds and warping.

Designing:—The standard weaves such as plain, twill, satins, combination and re-arrangement of these weaves, stripes, mock lenos and similar cloths. Analysis of these cloths with drafting and lifting plans.

The make-up and marketing of the above.

Finishing of cloths.

Weaving—(b) Practical

The making of warps by the "single," "multiple" and "Ball warp" methods—Winding on to warp, bobbins and also weft-pirns Sizing of yarn by hank and in ball warp "Running-off" of warps on to plains, drills, twills and simple tie-up designs

Books suggested for teachers' use and students' reference:—

1 Cotton Spinning, Vol I, by W S. Taggart (Macmillan)
2. Cotton Weaving and Designing, by T J. Tayler (Longmans)
3. Hand-loom Weaving, by L Hooker (Pitman).

XIII.—GENERAL SCIENCE (PHYSICS, CHEMISTRY AND BIOLOGY).

There will be two papers, of three hours each, as follows :—

1st Paper—Physics and Chemistry.

2nd Paper—Biology and Chemistry.

(NOTE —Each paper will consist of eight questions three of which will be in Chemistry).

Syllabus—

General Science—Pressure at different depths in liquid. Density. Specific Gravity. Archimedes' Principle and applications. Flotation (Ships, Airship, Balloons, Iceberg) Air pressure. Effects of air pressure. Syringe. Simple water pump. How the pressure of the air is measured. Barometer movements and weather. Action of the foot-ball and bicycle pumps. Bicycle valve. Kites, aeroplanes. Steam pressure. Force on piston of steam engine Simple manometer.

Light—Rectilinear propagation of light. Eclipses of sun and moon. Candle-power. Plane mirrors. Laws of reflection. Images in spherical mirrors (no formulæ). Refraction Magnifying glass. Camera. Telescope. Microscope. Dispersion. Colour

Sound—Nature of waves on water surface. Sound waves in air, wave length Frequency. Gramophone. Klaxon horn. The human voice.

Electricity.—Electrification. Electroscope. Conductors and insulators. Magnets. Polarity. Earth's Magnetism. Compass needle. Cells and batteries. Electromagnet. Electric Bell. Telegraph. Simple galvanometer. Heating and chemical effects of a current. Electric light.

Heat.—Sources of heat. Expansion of solids, liquids and gases. Effects of expansion; platinum and glass; pendulums. Thermometers. Air, clinical, maximum and minimum thermometers. *Effects* of salt on melting

point. Freezing mixtures. Effect of salt and pressure on boiling point. Transference of heat Davy's lamp. Winds. Cold nights with cloudless sky. Thermos-flask. Units of heat. Measuring of specific and latent heats. Cold on evaporation Heat on compression. Snow. Hail. Humidity. Change of volume on melting. Freezing of ponds. Change of volume on boiling ; hence steam pressure

Chemistry.—Solutions in water and other liquids. Crystallization. Slow and rapid evaporation. Saturated solutions. Elements, compounds and mixtures Study of the atmosphere. Oxygen and Nitrogen. Combustion · slow and rapid. Flame Water Properties of Hydrogen. Ammonia. Limestone Properties of sodium carbonate and caustic soda Mortar and cement. Hard and soft waters Acids Bases. Salts Atoms and molecules Chemical symbols Conservation of mass. Carbon · properties and varieties. Carbon dioxide. How plants use air. Respiration Coal gas. Coal-tar products. Sulphur : properties and varieties Sulphur dioxide. Chlorine. Hydro-chloric acid. Phosphorus. Matches Common salt. Properties of metals, non-metals. Alloys Iron and steel. Petroleum how obtained and properties. Soap Sugar Glass.

Biology—A LIFE OF ANIMALS, BASED ON THE FROG—

(1) External parts and their work.

(2) Internal parts and their work—

(*a*) Digestive system : food and digestion ; uses of food

(*b*) Circulatory system and blood : work of the blood and need for circulation

(*c*) Lungs and breathing

(*d*) Kidneys and excretion.

(*e*) Nervous system : sensation and the special senses.

(3) Care of food.

(4) Breeding places for harmful insects and other animal pests.

(5) Making the home and community healthful and beautiful.

I. INTERDEPENDENCE OF PLANTS AND ANIMALS—

(1) Plants as food for animals; grazing lands.

(2) Animal products and remains used again by plants.

(3) Plants and animals living together in communities; plants as the home for animals.

(4) Domestication of animals and cultivation of plants.

(5) The warfare against injurious plants and animals

(6) Human society, the crowning achievement of the world of life.

(7) The unity of life

Practical work.

The following list of experiments indicates the minimum amount of practical work required to be done by each student. Other experiments of equal educational value may be substituted. It should be possible for most teachers to get their students to perform additional experiments. The experiments should be performed individually as far as can be arranged. The teaching of theory should be fully illustrated by experiments and demonstrations which are to be considered an essential part of the teacher's work. The course in Biology will not require extensive expenditure on equipment and materials. Practically all materials can be collected from the local fauna and flora. No microscopic work is expected to be done individually by the pupils; only that may be done by demonstration on the part of the

teacher, when he believes it will add to the effectiveness of the work.

NOTE.—A chart giving a list of the experiments to be performed and the date on which each student completes each experiment should be maintained and hung in the laboratory at each school recognized in General Science.

General.—To show that the weight of a floating body is equal to the weight of the liquid displaced (using a loaded test tube in a graduated jar with different liquids).

Determination of the radius of a wire by Archimedes' Principle.

Determination of the relative density of (*a*) bodies which sink in water, (*b*) liquids

To measure (*a*) the pressure of the lungs, (*b*) gas supply (if any).

Light —Reflection at a plane mirror

Focal length of (*a*) concave mirror, (*b*) convex lens by parallel rays method.

Relation between image and object produced by (*a*) concave mirror, (*b*) convex lens (no calculations).

Refractive index of glass and liquids.

Refraction through a prism

Heat —Cooling curve of water and wax.

Determination of the apparent expansion of water (by heating water in a flask and noting rise in level of surface).

To compare heat required to melt ice and to boil water

To show that the loss of heat of one body is equal to the gain of heat in another.

Determination of specific heat of a solid.

Magnetism.—To map lines of force by a small magnet. Charging an electroscope.

Magnetic effect of a current.

Chemistry.—To observe the action of water on sodium, sodium chloride, potassium nitrate, sodium carbonate, copper sulphate.

To observe the action of heat on potassium nitrate, calcium carbonate, copper sulphate, iron, zinc, tin, lead, mercury, sulphur, phosphorus.

To determine the change in weight due to oxidization when a substance is sufficiently heated in air.

To find the proportion of oxygen and nitrogen in air.

To prepare oxygen from potassium chlorate and study its properties.

To prepare hydrogen from zinc and sulphuric acid and study its properties.

To prepare chlorine from manganese dioxide and hydrochloric acid and to study its properties.

To prepare hydrochloric acid from sodium chloride and sulphuric acid

To prepare ammonia gas from ammonium chloride and quicklime and study its properties.

To prepare carbon dioxide from limestone and hydrochloric acid and study its properties.

To prepare coal gas

To find the volume of oxygen given off by heating 15 grams of potassium chlorate

Biology—A Observation of living frogs: habits and mode of life

Demonstration of more important features of the internal parts. Students should sketch easier parts.

Observation of life history in the field and in the laboratory.

B. Demonstration of common representatives of animal kingdom. Students should be encouraged to collect materials; should be developed as a museum activity.

C. Collection and sketching of common plant forms.

Study and sketch parts of plant. No microscopic work, except such demonstration as the teacher may think desirable.

Simple experiments, mainly demonstrations, to show—

1. Accumulation of food (starch) in leaves exposed to light.
2. That water is lost through the leaves.
3. That plant require a continuous supply of water.
4. That water rises through the stem.
5. That CO_2 is given off during respiration
6. That plants grown in darkness are not green, but become green upon exposure to light
7. That stems grow towards light, and roots towards moisture.
8. Tests of plant parts for food substances. Process of germination; study and sketch (bean, chana, castor bean).

D Demonstration of common representatives of plant kingdom The project to be developed as for animals (B).

E. Observation of the uses man makes of plants and animals : the parts that are used ; the general method of preparation ; the value of more important Indian products.

F Collection of animal and human parasites, observation of their habits, and of their adaptations for such a mode of life.

Observation and collection of insects that feed on cultivated plants · at what stage in the life history of the insect is the damage done ?

Collection of fungus diseases of plants, especially of crop plants, a study of the damage they cause.

Collection of animals that carry disease : their habits and life-histories.

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Observation and collection of insects that feed on cultivated plants: at what stage in the life history of the insect is the damage done?

Collection of fungus diseases of plants, especially of crop plants; a study of the damage they cause.

Collection of animals that carry disease: their habits and life-histories.

Observation, collection, and study of plants and animals that destroy property.

Methods of control of plant and animal pests. (One of the most important aims in the study of the life-history is to find some means for controlling pests.)

Control of bacteria by heat, cold, drying, chemicals.

G. Test for CO_2 in exhaled air ; the need for ventilation ; whether ventilation is sufficient in home and school.

Consideration of the various kinds of exercise, and their value.

Consideration of clothes , various kinds ; various materials ; purpose and value.

H Study the drainage of the school premises, the home ; and the village or city. How can the drainage be improved ?

Study of various sources of water-supply ; see how they are polluted. How improved Danger of polluted water.

Study, preparation and care of food in the home ; in the bazar Sources of contamination, and methods of protection. Dangers of dirty food.

Study of breeding places of mosquitoes, flies, rats.

Study of life history of mosquito and house-fly in nature and in the laboratory. Methods of control

I. Trips out into the field for the study of nature should be as frequent as possible. The life of plants and animals should be observed in nature as far as possible, especially to see the inter-relations and inter-dependence of plant and animal life. What the pupils see will depend largely on the teacher.

The following book is recommended :—

Experimental Science for Indian Schools, by Gregory and Hodges (Macmillan & Co.) Rs. 3.

Recommended for the use of the teachers :—

Life by Shipley (Macmillan & Co.).

INTERMEDIATE EXAMINATION OF 1932.

N.B.—Alternative questions will be set in all question papers for the Intermediate Examination.

The following grouping of subjects is approved for the guidance of students and teachers. The subjects have been so grouped that, while providing a sound general education, suitable as an introduction to University studies, they should also fit the students to enter upon higher specialized courses in technical and professional institutions :—

General Arts.—Mathematics, Economics, Civics*, Geography, Drawing, a Modern Indian or European Language, Logic, a Classical Language, History and Allied Geography, Histories of Greece and Rome and Allied Geography. (*Any three should be taken.*)

General Science.—Mathematics, Drawing, Chemistry, Physics, Biology, Geography, Economics. (*Any three should be taken.*)

For Medicine.—Chemistry, Physics and Biology.

For Engineering.—Mathematics, Physics and Chemistry.

For Teaching.—(1) History, Civics and Geography.
(2) History, Geography and Mathematics.
(3) History, Geography and (Physiology, Hygiene and Child-Study) (*women students*).
(4) Geography, Mathematics and (Physiology, Hygiene and Child-Study) (*women students*).

* *Students taking Civics are advised also to take History.*

(5) Geography (or Mathematics), Biology and (Physiology, Hygiene and Child-Study) (*women students*).

(6) History, Geography and Economics.

(7) Mathematics, Geography and Economics (or Drawing).

(8) Mathematics, Physics and Chemistry.

(9) Mathematics, Physics and Biology

(10) Chemistry, Physics, and Biology.

(11) Biology, Physics (or Chemistry) and Drawing.

(12) (Physiology, Hygiene, and Child-Study), a Classical Language and History or Geography or Mathematics (*women students*)

(13) (Physiology, Hygiene and Child-Study), Drawing and Biology or Geography or a Classical Language (*women students*).

ENGLISH.

There will be *one* paper of three hours on the prescribed Prose course and a *second* paper of three hours on the prescribed Poetry course ; and in each paper there will be one question on " Unseen " passages. The prose paper will contain one or more prose unseens and the poetry paper will contain one or more poetical unseens.

A *third* paper of three hours will include (*a*) translation from a Modern Indian Language into English, and (*b*) a narrative or descriptive piece of composition in English. In the case of candidates who offer English as their mother tongue, the third paper will consist of an

Essay, together with questions on English composition and on the history of English Literature from 1500, as in Hudson's Outline History of English Literature (Bell & Co.).

NOTES—1. In the case of books prescribed for detailed study candidates will be expected to show a close familiarity with the text, including meaning of words, construction of sentences, historical and other allusions as well as knowledge and understanding of the subject-matter. They should be able to indicate contexts and to paraphrase and explain any difficult passages in simple and correct English.

2. In the case of books prescribed for general study, detailed knowledge of the text will not be required, but candidates will be expected to show that they have read the course with intelligence and with some appreciation.

Books prescribed :—

Prose :—(*a*) For detailed study—

1 A book of English Prose, by P. Sheshadri (Oxford University Press), (omitting the Convalescent ; the Beautiful , Dr. Skinner ; El Dorado , the Dedicated Life , War).

2. Southley's Life of Nelson (abridged edition, the Indian Press, Ltd , Allahabad)

(*b*) For general study—

1 George Eliot's Silas Marner (Indian Press, Ltd., Allahabad)

2 A Second Round o' Tales (Oxford University Press)

Poetry—(*a*) For detailed study—

1. Goldsmith—The Traveller

2. The following poems from the 1829 edition of Palgrave's Golden Treasury, with additional poems (Oxford University Press, Indian edition, Re. 1) are prescribed —

Shakespeare—" When to the sessions of sweet silent thought "

" Since brass, nor stone, nor earth, nor boundless sea."

Keats—" La Belle Dame Sans Merci."

Milton—" On his Blindness."
" Captain, or Colonel, or Knight in Arms."

Tennyson—" Ring out, wild bells."
" Tears, idle tears."
" The splendour falls on castle walls."

Wordsworth— " The world is too much with us."
" Upon Westminister Bridge."

Browning—" Prospice."

Bridges—" Gird on thy sword."

Yeats—" The Lake Isle of Innisfree."

Rupert Brooke—" If I should die."

S. Sasson—" Every one sang.'

3. *Tagore* (Macmillan's Poems from Tagore)—
" Where the mind is free."
" Traveller must you go."
" The fair was on before the temple."
" The Champa Flower."

(*b*) For general study :—

Shakespeare—" The Merchant of Venice."

NOTES.—(*a*) Half the total of marks will be allotted to the portion for detailed study, 30 per cent. to the portions for general study and 20 per cent. to Unseen passages and Grammar.

(*b*) Grammatical questions will be asked, including Parsing, Analysis, the Sequence of Tenses, and Conversion of the Direct and Indirect forms of speech.

(*c*) The attention of candidates is drawn to the fact that examiners have been instructed to deduct marks for inaccuracy in English.

MATHEMATICS.

There will be three papers of three hours each : one paper in Algebra and Trigonometry, a second in

Mensuration and Pure and Analytical Geometry, and a third on Elementary Dynamics and Statics.

(1) (*a*) *Algebra.*—Quadratic equations involving two or more unknown quantities, the theory of quadratic equations and of expressions of the second degree ; surds and imaginary expressions ; arithmetical, geometrical, and harmonical progressions ; permutations and combinations ; theory of indices and logarithms, proof of binomial theorem for a positive integral index and the use of binomial and exponential theorems for any index.

(*b*) *Trigonometry.*—Including solution of triangles and simple problems on inscribed, circumscribed, and ascribed circles

(2) (*a*) *Pure Geometry.*—Loci ; proportion and similarity ; radical axis of two circles , simple properties of pole and polar with respect of a circle ; simple properties of parabola

(*b*) *Analytical Geometry*—Straight line, pair of straight lines, circle (including radical axis and pole and polar) , equation to parabola in form $y^2=4\ ax$ and simple properties deduced therefrom ; simple properties of tangents and normals to the ellipse deduced from the equation $\frac{x^2}{a^2}+\frac{y^2}{b^2}=1$ (Oblique cartesian and polar co-ordinates will not be required).

(*c*) *Mensuration of Solids* —Surfaces and volumes of parallelopipeds and right prisms, pyramids circular cylinders and cones, spheres, and spherical segments , frusta of pyramids, cones, and spheres

The use of Trigonometry and Logarithms will be permitted in solving numerical examples

(3) *Dynamics and Statics* —Velocity, composition of velocities, relative velocity , acceleration rectilinear motion under uniform acceleration. composition of

accelerations; Newton's Laws of Motion; rectilinear motion under gravity in a vertical and down an inclined plane; motion of two masses connected by a string passing over a pulley; projectiles; direct impact of smooth bodies; definition and calculation of kinetic energy; *co-planar forces, parallel and non-parallel* and their composition; equilibrium of a body under three forces; moments, conditions of equilibrium of a body under a system of co-planar forces and simple examples; centre of gravity; friction; work and power; simple machines (lever, balance, system of pulleys, wheel and axle).

NOTE.—The use of stencils and slide rule in answering questions in Mathematics is not allowed.

The following books are suggested (*not prescribed*) in addition to more elementary text-books :—

1. School Algebra, H S Hall, Parts I—III.
2. School Algebra, Part II, by Paterson. (Clarendon Press)
3. Elementary Algebra, Part II, by P. Ross (Longmans)
4. Higher Algebra, Chapters I—XVII, by Hall and Knight (Macmillan).
5. Hall and Stevens' School Geometry, Part VI.
6. Elements of Analytical Geometry, Part I, by Wanchoo (Indian Press, Ltd., Allahabad)
7. Co-ordinate Geometry, Smith or Loney (Macmillan).
8. Elements of Statics and Dynamics by Loney. (Cambridge University Press)
9. *Intermediate Trigonometry*, by *C. C. Ghosh*. (Macmillan.)
10. Plane Trigonometry, Part I, by S. L. Loney. (Macmillan.)

CHEMISTRY.

(N B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject The use of stencils and slide rule in answering papers in Chemistry is not allowed)

There will be two papers of three hours each and a practical examination. The first paper will include metals and non-metals and the second paper general Chemistry and organic Chemistry

The following syllabus is prescribed .—

The course for the High School Examination of 1932 with the following additions :—

Elementary and compound substances, mixtures, solution, chemical action, the laws of definite and multiple proportions, simple methods of the determination of equivalent weights, atoms, molecules, atomic and molecular weights, vapour density, the atomic theory and Avogadro's hypothesis, combination of gases by volume.

Valency, relation between equivalent and atomic weights, simple methods of determination of atomic weights, Dulong and Petit's Law Boyle's Law. Charles' Law, vapour pressure, diffusion

Chemical symbols, formulae and equations, calculations of an easy nature.

Oxidation and reduction

Elementary ideas as to the nature of dissociation in gases and electrolytic dissociation theory

The outlines of the periodic law, studied from elements prescribed in the course.

Preparation and important properties of the following elements and compounds and proofs of the composition of the compounds marked* —

Hydrogen, oxygen, water,* ozone, hydrogen dioxide, nitrogen, the atmosphere*, the effects of animal and vegetable life upon its composition, ammonia*, nitric acid and nitrates, nitrous acid and nitrites, nitrous* and nitric*

accelerations; Newton's Laws of Motion; rectilinear motion under gravity in a vertical and down an inclined plane; motion of two masses connected by a string passing over a pulley; projectiles; direct impact of smooth bodies; definition and calculation of kinetic energy; co-planar forces, parallel and non-parallel and their composition, equilibrium of a body under three forces; moments; conditions of equilibrium of a body under a system of co-planar forces and simple examples; centre of gravity, friction; work and power; simple machines (lever, balance, system of pulleys, wheel and axle).

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3. Elementary Algebra, Part II, by P. Ross (Longmans)
4. Higher Algebra, Chapters I—XVII, by Hall and Knight (Macmillan).
5. Hall and Stevens' School Geometry, Part VI.
6. *Elements of Analytical Geometry, Part I, by Wanohoo (Indian Press, Ltd., Allahabad).*
7. Co-ordinate Geometry, Smith or Loney (Macmillan).
8. *Elements of Statics and Dynamics by Loney.* (Cambridge University Press.)
9. Intermediate Trigonometry, by C. C. Ghosh. (Macmillan.)
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Valency, relation between equivalent and atomic weights, simple methods of determination of atomic weights, Dulong and Petit's Law. Boyle's Law, Charles' Law, vapour pressure, diffusion.

Chemical symbols, formulae and equations; calculations of an easy nature.

Oxidation and reduction.

Elementary ideas as to the nature of dissociation in gases and electrolytic dissociation theory.

The outlines of the periodic law, studied from elements prescribed in the course.

Preparation and important properties of the following elements and compounds and proofs of the composition of the compounds marked* :—

Hydrogen, oxygen, water,* ozone, hydrogen dioxide, nitrogen, the atmosphere*, the effects of animal and vegetable life upon its composition, ammonia*, nitric acid nitrates, nitrous acid and nitrites, nitrous* and

accelerations; Newton's Laws of Motion; rectilinear motion under gravity in a vertical and down an inclined plane; motion of two masses connected by a string passing over a pulley; projectiles; direct impact of smooth bodies; definition and calculation of kinetic energy; co-planar forces, parallel and non-parallel and their composition; equilibrium of a body under three forces; moments, conditions of equilibrium of a body under a system of co-planar forces and simple examples; centre of gravity; friction; work and power; simple machines (lever, balance, system of pulleys, wheel and axle).

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3. Elementary Algebra, Part II, by P. Ross (Longmans)
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5. Hall and Stevens' School Geometry, Part VI.
6. Elements of Analytical Geometry, Part I, by Wanchoo (Indian Press, Ltd, Allahabad)
7. *Co-ordinate Geometry, Smith or Loney* (Macmillan).
8. Elements of Statics and Dynamics by Loney. (Cambridge University Press.)
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CHEMISTRY.

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The following syllabus is prescribed –

The course for the High School Examination of 1932 with the following additions —

Elementary and compound substances, mixtures, solution, chemical action, the laws of definite and multiple proportions, simple methods of the determination of equivalent weights, atoms, molecules, atomic and molecular weights, vapour density, the atomic theory and Avogadro's hypothesis, combination of gases by volume.

Valency, relation between equivalent and atomic weights, simple methods of determination of atomic weights, Dulong and Petit's Law Boyle's Law, Charles' Law, vapour pressure, diffusion.

Chemical symbols, formulae and equations, calculations of an easy nature

Oxidation and reduction

Elementary ideas as to the nature of dissociation in gases and electrolytic dissociation theory

The outlines of the periodic law, studied from elements prescribed in the course

Preparation and important properties of the following elements and compounds and proofs of the composition of the compounds marked* —

Hydrogen, oxygen, water,* ozone, hydrogen dioxide, nitrogen, the atmosphere*, the effects of animal and vegetable life upon its composition, ammonia*, nitric acid and nitrates, nitrous acid and nitrites, nitrous* and nitric*

3. Pr... peroxide, carbon, carbon* dioxide, volving no ...de, elementary ideas about combustion ...n of flame, coal gas, chlorine, hydrochloric*

4. (a) S... the *chlorides, chlorine peroxide, chloric acid and* ...rates, bromine, iodine, their hydracids and salts.

Sulphur, hydrogen* sulphide, sulphur* dioxide and trioxide, sulphuric acid and the sulphates, sulphurous acid and sulphites.

Phosphorus, hydrogen phosphide, chlorides of phosphorus, phosphorus trioxide and pentaoxide, orthophosphoric acid.

Silica, silicates of Na, K & Ca, glass.

Sodium, potassium, their hydroxides, *chlorides*, nitrates, carbonates, sulphates.

Calcium, strontium, barium, and their oxides, carbonates, sulphates, chlorides, nitrates.

Magnesium, its oxide, chloride, sulphate, carbonate and nitrate.

Lead, its chloride, sulphate, nitrate and acetate.

Copper, the outlines of its metallurgy, its oxides, chlorides, sulphate, nitrate and sulphides.

Iron, the outlines of its metallurgy, its oxides (FeO, Fe_2O_3, Fe_3O_4), chloride, sulphates, and sulphides

Zinc, its oxide, chloride, carbonate and sulphate.

Mercury, oxides, chlorides, nitrates, sulphides.

Aluminium, oxide, chloride, sulphate.

Arsenic, hydride, oxides, sulphides.

Antimony, hydride, oxides, chlorides, sulphides.

Tin, oxides, *chlorides, sulphides.*

Silver, oxide, hydroxide, chloride, bromide, iodide, *nitrate, and sulphate.*

Organic :—

A.—The preparation, typical properties, and structural relationship of the following compounds :—

Methane ethane, ethylene, chloroform, iodoform.

Methyl alcohol, ethyl alcohol, and ether.

Formaldehyde, acetaldehyde, and acetone. Chemistry
Formic acid and acetic acid
Ethyl acetate and methyl acetate. Chemistry,
Acetamide, acetyl chloride, acetic anhydride.
Acetylene.
Methylamine.

B.—The simpler properties of the following :—

Glycerol, oxalic acid, tartaric acid, fats, soaps (and saponification), starch, cane sugar, grape sugar (and fermentation), urea, benzene, nitrobenzene, phenol, aniline, benzoic acid, proteins.

Practical work.

Students will be examined in Practical Chemistry

Students are expected to perform the following experiments in the laboratory An account of each experiment must be written by the student in a special note-book, which will be liable to examination by the Examiners. This note-book should be kept in the charge of the laboratory instructor and each account of an experiment should be signed by him The Principal of a College will be responsible for the production of this note-book when demanded by the proper authorities.

The *practical* course is as follows :—

1. Such practical work as is required for the High School Examination of 1932.

2. Analysis of simple salts, soluble in water or hydrochloric acid composed of acids and bases mentioned in the following list :—

Ag. Pb, Hg, Cu, Cd, Bi, As, Sb, Sn, Fe, Al, Cr, Ni Co, Zn, Mn, Mg, Ca, Sr, Ba, Na. K, NH_4, Cl, Br, I, ClO_3, SO_4, SO_3, NO_3, NO_2, PO_4, S, CO_3, C_2O_4, acetate (*dry and wet methods*)

3. Prej ration and purification of simple salts involving no special difficulty.

4. (a) Si ctuimple gravimetric experiments, such as change he ch in mass on oxidation of magnesium and on ates. heating barium chloride, sodium bicarbonate, S or ferrous ammonium sulphate.

(b) Simple volumetric estimations, such as the estimation of alkali, acids and alkaline carbonates by titration.

5. Determination of melting and boiling points.

6. Qualitative detection of nitrogen, sulphur and one of the halogens, alone or together in an organic compound.

Books suggested :—

1. SHENSTONE : Inorganic Chemistry (Arnold).
2. J. W. MELLOR : Introduction to Inorganic Chemistry (Longmans).
3. ROSCOE AND HARDEN : Inorganic Chemistry for Advanced Students.
4. A Class Book of Organic Chemistry by J. B. Cohen.
5. Organic Chemistry, Part I, by Perkin and Kipping. (W. and R. Chambers)
6. Donington's Class Book of Chemistry, Parts 1—4.
7. HOLMYARD's Inorganic Chemistry, Arnold, 6s. 6d.
8. HOLMYARD : Practical Chemistry (Bell & Sons, Ltd). 4s.
9. OSCROFT : Inorganic Chemistry, for Upper Forms (Bell & Sons, Ltd.). 6s. 6d.
10. MALVEA : Practical Chemistry for Intermediate Colleges (Indian Press, Allahabad). Rs. 2.
11. NEWTH : Chemical Lecture Experiments for teachers use (Messrs. Longmans, Green & Co.) (latest edition). 8s. 6d.

12. HOLMYARD : Introduction to Organic Chemistry (Arnold).
13. BRUCE AND HARPER : Practical Chemistry, edition 1925 (Macmillan).

PHYSICS.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

There will be two papers of three hours each as follows :—

1st Paper—Properties of Matter, Heat and Light.

2nd Paper—Sound, Electricity and Magnetism.

The following syllabus is recommended :—

General properties of Matter.—Fundamental units and their measurement, Principle of Balance, Verniers, Calipers, Screw-gauge, Spherometer, Volume, Density, Specific gravity, Fluid pressure, Principle of Archimedes, Nicholson's hydrometer, Barometer, Boyle's Law, Pumps, Siphon, Elementary notions of volume, elasticity and Young's modulus in the case of solids. Isothermal and adiabatic elasticities of gases Gravitation, simple harmonic motion Pendulum. Value of "*g*." Laws of simple machines, such as levers and pulleys Laws of motion.

Heat—Temperature. Thermometers Calorimetry. Specific heat. Latent heat Expansion of solids, liquids, and gases. Vapour pressure Hygrometry. Change of state. Laws of unsaturated and saturated vapours Conduction Convection. Radiation Reflection and absorption of heat. Isothermal and adiabatic changes. Specific heat at constant volume and constant pressure Relation of heat to work Determination of "J."

Light—Laws of propagation Reflection and refraction from plane and spherical surfaces. Dispersion.

3. Preparation and purification of simple salts involving no special difficulty.

4. (a) Simple gravimetric experiments, such as change in mass on oxidation of magnesium and on heating barium chloride, sodium bicarbonate, or ferrous ammonium sulphate.

(b) Simple volumetric estimations, such as the estimation of alkali, acids and alkaline carbonates by titration

5. Determination of melting and boiling points.

6 Qualitative detection of nitrogen, sulphur and one of the halogens, alone or together in an organic compound

Books suggested :—

1 SHENSTONE · Inorganic Chemistry (Arnold).

2 J. W MELLOR : Introduction to Inorganic Chemistry (Longmans).

3 ROSCOE AND HARDEN : Inorganic Chemistry for Advanced Students.

4. A Class Book of Organic Chemistry by J. B. Cohen.

5. Organic Chemistry, Part I, by Perkin and Kipping (W. and R Chambers)

6. Donington's Class Book of Chemistry, Parts 1—4.

7. HOLMYARD's Inorganic Chemistry, Arnold, 6*s*. 6*d*.

8 HOLMYARD . Practical Chemistry (Bell & Sons, Ltd) 4*s*.

9. OSCROFT : Inorganic Chemistry, for Upper Forms (Bell & Sons, Ltd.). 6*s* 6*d*.

10. MALVEA : Practical Chemistry for Intermediate Colleges (Indian Press, Allahabad). Rs. 2.

11. NEWTH : Chemical Lecture Experiments for teachers use (Messrs. Longmans, Green & Co.) (latest edition). 8*s*. 6*d*

The following syllabus is prescribed. Instructions for the teaching of Biology are appended :—

I.—Zoology.

(N.B —Candidates will be required to pass in the theoretical as well as practical part of each Science subject)

A.—Living and non-living matter. The distinctive properties of living matter or protoplasm and its chemical composition The structure and life-history of Amoeba and malaria parasite as examples of the Protozoa A general conception of the structure and phenomena of the animal cell, direct and indirect cell division. The union of cells to form tissues and the combination of tissues to form organs

B.—The structure of Hydra as an example of the Metazoa. The principle of the physiological division of labour and the correlated differentiation of structure.

C —The structure and bionomics of an Indian Earthworm as an example of a segmented animal.

D —The structure of the Cockroach as a type of Arthropoda. A general survey of the life-history of the Mosquito and House-fly, and their economic importance.

E.—The general characters of the Chordata

F.—The general anatomy, histology, and physiology of the various systems or organs in the Frog

G.—An elementary knowledge of the anatomy and osteology of the Rabbit or other common Mammal. The brain and eye of the Sheep, and the skull of the Dog may be substituted for those of the Rabbit.

H.—A general classification of the animal kingdom with the characteristics of the principal phyla

I.—*Reproduction, sexual and asexual*, *ova and spermatozoa*; oogenesis and spermatogenesis. The elementary facts of the fertilisation and segmentation of

the ovum, the outlines of the development and larval history of the Frog, the three primary germ-layers and the organs derived from them.

II.—Botany.

(N B —Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

A —The structure and germination of seeds, the morphology of the root, stem, and leaf. The chief types of floral structures. The chief types of inflorescence and the common types of fruits.

B.—The parts of a typical vegetable cell, the cell contents and their microchemical reactions, the division of a cell, the chief types of plant tissues. A comparative study of the internal structure of the root, stem, and leaf of the Angiosperms. The structure of the reproductive organs of the Angiosperms.

C.—The structure of Bacillus subtilis and the modes of nutrition among the Bacteria.

D.—The structure, physiology, and life-histories of Ulothris, Spirogyra, Mucor, and Yeast.

E.—The structure and life-histories of a moss and a fern, and the phenomenon of alteration of generations.

F.—The life-history of Angiosperms. General structure of flowers and fruits, recognition and economic importance of the following families :—

Cruciferae, Malvaceae, Leguminosae, Compositae, and Liliaceae.

G.—An outline of the classification of the vegetable kingdom to illustrate grades of structure and methods of reproduction.

H.—Elementary plant physiology; stability of the plant body; the usual constituents of plant food; assimilation; transpiration; respiration; the main facts about growth; the chief types of movements.

Practical Work.

Students are expected to keep a record of all practical work in a special laboratory sketch-book, which will be liable to examination by the examiners. The laboratory instructors should sign the result of each day's practical work

A —The microscopical study of Amoeba and Hydra; the study of Hydra by means of transverse and longitudinal sections

The general dissection of the earth-worm, cockroach, and frog; life-history of the mosquito: a microscopical study of the chief animal tissues from fresh or prepared preparations of muscle, nerve, cartilage, bone, blood, and connective tissue. The microscopical study of the earth-worm by means of fresh preparations and transverse sections, a microscopical examination of the kidney, liver, spinal cord, stomach, ovary, and testis of the frog. The skeleton of the frog.

The osteology of the rabbit, substituting the skull of the dog for that of the rabbit, and the dissection of the alimentary, vascular, and reproductive systems of that animal.

B —The dissection of plants and parts of plants; the preparation, simple staining, and study of microscopical sections of plants. A practical study by microscopical examination and otherwise of Spirogyra, Ulothrix, bacteria, yeast, Mucor; a moss, a fern, and the vegetative and reproductive organs of Angiosperms treated in an elementary manner.

The description of a flowering plant and its parts in semi-technical language.

(Where fresh material cannot be obtained recourse should be had to prepared specimens)

Text-books suggested :—

1. PARKER and BHATIA : Elementary Course of Practical Zoology. (Macmillan.)
2. HOLMES : Biology of the Frog. (Fourth edition.)
3. MARSHALL and HURST : Practical Zoology. (Murray.)
4. RANGACHARI : Handbook of Botany for India (Varadachary & Co., Madras, 1925).
5. GAGER : Fundamentals of Botany. (Blakiston.)
6. HUXLEY : Elementary Physiology. (Macmillan.)
7. SHIPLEY Life. (Ditto.)
8. TRANSEAU : General Botany. (World Book Company, New York)
9. BAHL, K N. : Indian Zoological Memoirs. I, Pheretima. (Methodist Publishing House, Lucknow), 1926. Rs. 1-8-0.
10. SMITH, OVERTON AND OTHERS. : Text-book of General Botany (second edition), (Macmillan & Co.).

APPENDIX.

Instructions for the teaching of Biology—

1. The teacher must consider the purpose for which he teaches Biology—to prepare students for the University, for medical and forest colleges, and for more intelligent and more joyful living. Biology deals with the world of life surrounding the students, and every effort should be made to present Biology as a living subject, rather than as a vast mass of unrelated and (to the students) often meaningless facts to be memorised.

2. Teachers may take more liberty in teaching Biology than has been considered possible in the past. They should feel that they are not too rigidly bound by

the syllabus. Much of what is commonly accepted as the interpretation of the syllabus, and as the proper content of Biology, is a tradition from the past. Teachers may to a much larger extent determine for themselves what they are to regard as the proper things to include in their teaching, and the proper emphasis to be given to these things; the syllabus will then become a friendly guide

3. The syllabus is a record of work that ought to be covered and the teacher may take up the various topics in whatever order he thinks best.

4. The additional items in the new syllabus are not intended to enlarge the syllabus, but to shift the emphasis given to the various parts of it. For instance, it is not intended that the cockroach shall be studied in minute detail, but that it shall be made the basis for acquaintance with the great assemblage of arthropods. The mosquito is to illustrate metamorphosis, and is used because of the great importance of mosquitoes to man, because it can be observed anywhere, and because it can be readily reared in the laboratory. The mosquito is to illustrate also the carrying of disease by insects, and the malaria parasite is an illustration of a disease-producing organism transmitted by an insect. The economic and bionomic importance of these animals is to be emphasized rather than complete details of their structure.

Likewise it is intended to allow considerable freedom to the teacher by permitting the use of mammalian types that are most readily available. The purpose is to become acquainted with characteristic features of mammalian anatomy, rather than with minute details of one animal only, to the exclusion of all others.

In Botany more emphasis should wh
plants do and how they work, study

of various growth forms, which have little meaning for the student unless correlated with the great problems of plant economy. Moss is added to the syllabus as a simple, clear, and easily accessible plant illustrating sex organs and alteration of generations; it should be treated from this point of view, and no effort should be made to consider its anatomy in the detail usually regarded necessary in the fern.

DRAWING.

There will be two papers, each of three hours' duration the first paper on Solid Geometrical Drawing and the second paper on Free Arm Memory Drawing.

Syllabus.—

Free Arm.—In pastels on Tinted Paper or Water Colours on White Cartridge Paper.

Progressive work in groups of the common objects listed for High Schools, such as—

Plate of Oranges, Tomatoes, and Bananas; Candlestick and Matches; Ink-pot and Pen; Gloy Bottle and Brush; Bundles of Firewood; Glass of Water or Milk; Chinese Lantern; Liquids in Bottles; Umbrellas, etc.

Nature Study Advanced.—The more difficult Flowers, Bunches of Flowers, Leaves with Fruit and Flowers, Compound Leaves.

The above, which is but suggestive, will involve instruction in the art of blending colours, colour harmonies, colour schemes and shadows, together with technicalities such as tint-softening, blending, direct colouring, light tint on dark and dark on light, use of opaque colours and back-grounds.

Memory Drawing.—(a) Objects such as listed above which may be placed before students for a limited period after which the object shall be taken away and the drawing made.

(b) The drawing of some familiar and common objects entirely from memory.

A number of small objects may be placed once a week on a covered up tray, exposed, say for ten seconds, and the class be asked to write down as many objects as they remember to have seen.

Text-books recommended.—Pastel work, Vols. I and II, by H. A Rankin, (Messrs. Isaac Pitman & Sons). Price Rs 4 per vol.

Materials —As for the High School Examination of 1932 (Free Arm).

Geometrical —Solid Geometry, simple solids, plans, elevations, sections, and sectional elevations of such, isometric orthographical projection, elementary perspective drawing, and all forms of Plain and Diagonal Scales

Text-books and Materials —As for the High School Examination of 1932 (Geometrical).

ECONOMICS.

There shall be two papers of three hours each. The first paper shall cover Production, Consumption, and Taxation, and the second paper Exchange and Distribution.

Introductory.

Subject-matter. Relation to other sciences. The development of Economic life.

Production.

Relation between wants and production. The factors of production.

Land.—Natural resources of India. *Soil and Climate.* Sources of Power. Raw materials.

Labour.—Density and distribution of population in India. Health and vital statistics. Occupations.

Capital (fixed and circulating).—Buildings and machinery. Means of communication and transportation in India. Irrigation.

Organization (management plus enterprise).—Combination of the factors of production in village industries and in factories. Efficiency of the factors of production. Different uses and how efficiency increases. Efficiency of labour increased by education. Division of labour and specialization of machinery. Large scale production and its limitations. Diminishing and increasing returns. Development of industrial organization. Its relation to means of transportation. Accompanying changes in rural industries and in agriculture in India. Extensive and intensive cultivation.

Exchange.

Utility.—Marginal and total utility. Law of diminishing utility. Law of demand. Elasticity of demand.

Barter—Conditions of barter. How both parties gain in utility by exchange.

Exchange by sale and purchase. Demand and supply schedules and curves. Balancing of demand and supply in a local market. Relation of price to expenses of production. Changes in the expenses of production. The development of markets. Causes of the extension of markets. India's imports and exports.

The machinery of exchange. Money and banking, both to be illustrated from Indian examples (including the *sahukari* system in the villages and the *sarafi* system in cities). Convertibility of paper money in India. Cheques and Hundies (*Foreign exchanges are included*).

Distribution.

The problem of distribution.

Rent.—The law of rent as applied to India. Land tenure in the United Provinces.

Salaries and wages.—Real and money wages. Wages as determined by supply and demand of labour. The standard of living. Mobility of labour in India. Influence of social customs.

Interest.—Net and gross interest. Mobility of capital in India. Principles of co-operative credit and its advantages for India.

Profits—As the reward of enterprise. The field for enterprise in India.

Consumption.

Satisfaction as the end of all economic activity. Wants and their classification. Division of income among different items of expenditure. Family budgets. Relations of saving to spending. The social side of spending.

Taxation.

A description of the taxes and other sources of revenue and items of expenditure of the Imperial Government, of Bombay and the Province or State in which the College is situated; simple distinction between direct and indirect taxes. (Nothing of the theory of taxation is to be taught.)

NOTE.—Candidates may be required to draw charts, graphs and maps in the written examination, to frame budgets and analyse them and to solve problems relating to costs of production.

The following books should be consulted :—

1. *Carver*.—Elementary Economics.
2. *Moreland*.—Introduction to Economics for Indian students. (Macmillon & Co.).
3. India in 1928-29 (the latest edition of the publication available in July 1930, being recommended), published by the Central Publicity Office. (Chapters dealing with economic progress only are to be read.)

4. *P. Banerjce.*—A study of Indian Economics (third edition, 1928), (Macmillan & Co.).

5 The chapter on the United Provinces in the Appendix to the Report of the Royal Commission on Agriculture.

Teachers should also consult—

1. *V. G. Kale.*—Indian Economics. (Aryabhusan Press, Poona).

2. *Marshall.*—Economics of Industry. (Macmillan & Co.).

3. *Clay*—Economics for the General Reader. (Macmillan & Co.).

4 *Jack.*—Economic Life of a Bengal District. (Clarendon Press, Oxford).

5. *Mann*—Life and Labour in a Deccan Village. (Oxford University Press).

6. *B G. Bhatnagar*—Bases of Indian Economy. (Ram Naraın Lal, Allahabad).

7. *Lettice Fisher.*—Getting and Spending : Collin's Clear Type Press, London. 3/6.

8. *R. K. Mukerjee.*—Groundwork of Economics (Longmans)

9. *Fairchild*—Elements of Economics.

10. *F. H. Robinson.*—Elements of Economics, Books I and II.

11. *Deri Lal Dubey.*—Elementary Indian Economics (Indian Press, Allahabad, price Rs. 3-12)

12. *Frank O'Hara.*—Introduction to Economics.

13. Report on an Enquiry into Working Class Budgets in Bombay, by G. Findlay Shirras (Government of Bombay Labour Office).

Teachers should give facts and figures from the latest edition of the Indian Year Book ("Times" Press).

Practical Work.

Teachers should take out students to study small industries, markets, and conditions of living in both city and country The principles should be illustrated from these studies. The following is the minimum amount of practical work that should be done by students —

(1) Two budgets of consumption · one of an artisan, one of a cultivator, if possible, with the students' own suggestions for improvement.

(2) Two statements showing the expenses of production, for one month, or a longer period, or for a fixed quantity of product, of two small industries, with suggestions for the improvement of the industry.

(3) Four diagrams illustrating the above four statements.

(4) Two maps representing economic conditions in India or parts of India.

Written Work.

Teachers should insist on as much written work as possible. The following methods are suggested :—

NOTE.—Teachers should not usually dictate notes, but should require students to write out their own notes after each lecture from rough notes taken in class and from memory. These notes should be inspected and corrected by the teacher.

Questions.—At the beginning of the lecture period teachers should frequently give out a single question on the work of the day before and allow the students 5 or 10 minutes to write out the answer, which should be corrected and returned to the students.

Essays.—Occasional essays may be assigned.

The following written work is the minimum to be done by each student :—

(1) Two long examinations of at least $2\frac{1}{2}$ hours each or six one-period tests, or one such examination and three such tests.

(2) Ten questions set in class to be answered in about ten minutes each.

(3) Two essays of about ten pages, or four essays of about five pages. (One long essay and two short essays are advised.)

In the case of *private candidates*, double the number of essays *plus* a description of a market or fair and of a cottage industry or a Co-operative Society may be submitted in place of items nos. (1) and (2) of the written work.

CIVICS.

There will be two papers of three hours each : the first paper on Civic Theory and the second paper on Indian Civics.

Paper I.—Civic Theory.

Syllabus—

Nature of society. The State in relation to society. Functions and structure of government, forms of government. The place of local institutions in political life Meaning of citizenship. Benefits from society, State or local institutions to the citizen. Duties and rights of citizenship. A citizen's participation in the life of his town, his province, his country. A citizen's relations with non-political associations like the colleges, clubs, religious organizations, co-operative societies, etc.

Books recommended :—

1. Raleigh .. Elementary Politics (Oxford University Press).

2.	Lay ..	Citizenship.
3	Sir Henry Jones	Principles of Citizenship.

Paper II.—Indian Civics.

Syllabus—

Structure of Indian government, central and provincial Working of Indian government. Indian municipalities, district boards, village institutions with particular reference to those of the United Provinces of Agra and Oudh Education in India Indian social life. Cultural movements in modern India. National movements in modern India

Books recommended :—

1.	Marris and Garner.	Civil Government.
2.	G Anderson ..	British Administration.
3.	S. M. Bose ..	Working of the Indian Constitution (Oxford University Press).
4.	S V Puntambekar.	*An Introduction to Civics and* Politics (The Indian Press, Limited, Allahabad).
5.	J. N. Farquhar..	Modern Religious Movements in Ind a.
6.	C. F. Andrews..	Renaissance in India.

HISTORY AND ALLIED GEOGRAPHY.

There will be two papers of three hours each.

N. B —Candidates are expected to draw freehand maps of India and Great Britain and Ireland.

Paper I.—Indian History from the earliest time to 1919.

Alternative groups of books recommended :—

Group A.

1. SMITH, V. A. : The Oxford History of India. (Clarendon Press, Oxford.)

no. 53 (Delhi and Simla), also 1-inch Survey of India map no. 63K/12. Study of the principles of the chief map-projections, such as Cylindrical (Mercator), Orthographic, Stereographic, Spherical, Conical, Elliptical (Mollweie). Study of the weather maps for the months January 1931 and July 1932, published by the Meteorological Offices, Simla, and of other distribution maps.

The work should show that outdoor geographical studies including practical map-work have formed a feature of the course.

III.—Economic Geography with special reference to India. The world position of India, its natural resources, its economic development. The general relation between geographic factors and the production of the major raw materials and food-stuffs. Sources of power. Factors *affecting transport, exchange of commodities. and the* localization of major industries.

The world distribution of the following vegetable products :—

Wheat, rice, tea, coffee, vine, cotton, jute, sugar, rubber, tobacco, conditions of their growth.

Books recommended :—

I —Russell —North America. (Oxford Press). 10*s.* 6*d.*

Rodwell-Jones and Bryan : North America (Methuen). 12*s.*

Dawson.—North America. Vol. I. Stanford. 15*s.*

Gannett.—North America. Vol. II. Stanford. 15*s.*

Keane.—Asia. Vols. I and II. Stanford. 15*s.* each.

Chisholm.—Europe. Vols. I and II. Stanford. 15*s.* each.

Keane —Central and South America. Vols. I and II. Stanford. 15*s.* each.

Keane.—Africa Vols. I and II (Stanford). 15*s.* each.

Mackinder.—Britain and the British Seas. (Oxford Press). 10*s*. 6*d*.

George: Relations of History and Geography. (Oxford Press). 5*s*.

Little.—The Far East. (Oxford Press). 10*s*. 6*d*.

Griffith Taylor:—Australia—Physiographic and Economic (Clarendon Press). 3*s*. 6*d*.

McMunn and Coster.—A Regional Geography of Europe. (Oxford Press). 4*s* 6*d*.

Unstead and Taylor.—Regional and General Geography for Students. (Philip.) 7*s*. 6*d*. Leonard Brooks.—New Regional Geography, Book IV, The World (London University Press) 7*s*. 6*d*	May be used as text-books by the students.

II.—Eason and Philip.—Map Reading made Easy. (Philip). 3*s*. 6*d*.

Dickson.—Maps, how they are made; how to read them. Bacon. 6*d*.

Young and Fairgrieve: A Class-book of Practical Geography. Philip. 2*s*. 6*d*.

Simmons and Richardson: An Introduction to Practical Geography. (Macmillan). 4*s*.

Unstead: Practical Geography. (Oxford Press). 4*s*.

Mort: An Elementary Practical Geography. Blackie. 2*s*. 6*d*.

Davis: Elementary Meteorology (Ginn). List price $ 2·50.

III.—Chisholm: Commercial Geography. Longmans. 25*s*.

Curr: Commercial Geography. Black. 4*s*.

Lyde: Man and his Markets. Macmillan. 3*s*.

Herbertson: Man and his Work. 1*s*. 6*d*.

Statesman's Year Book. Macmillan. 20*s.* } Every two or three years
Whitaker's Almanac. 4*s.* }

Indian Year Book. ("The Times of India" office) Rs. 7/8.

To be used as a text-book.

Imperial Gazetteer of India. Vols. III and IV Oxford. 7*s.* 6*d* each.

Atlas of Commercial Geography, Cambridge University Press 3*s.*

The Oxford Economic Atlas. (Oxford Press). 6*s.*

Additional reference books :—

Lake : Physical Geography, (Cambridge University Press) 12*s.*

Salisbury . Physiography for Schools. Shorter Course. (Murray). 6*s.*

Davis . Elementary Physical Geography. (Ginn). 5*s.* 6*d*

Tarr Elementary Physical Geography. (Macmillan) 7*s* 6*d*

Mill : The Realm of Nature. (Murray). 5*s.*

Philip's sets of maps of the various continents and of India, *with explanatory handbooks.*

Philip's sets of synthetic maps (for students' use). 1*s* per packet.

Philip's Modern School Atlas of Physical, Political, and Commercial Geography. 7*s.* 6*d.*

LOGIC.

There will be two papers of three hours each : the first paper on Deductive Logic and the second paper on Inductive Logic.

Deductive Logic.

The following syllabus is prescribed :—

Definition, scope and value of Logic. *Nature of* thinking The laws of thought. The relation of thought and language Terms and their classification Denotation and Connotation of terms. The predicables. Formal division and definition. Propositions, their import. Reduction of statements to logical form. Distribution of terms Nature and forms of inference. The opposition of propositions and various forms of deduction. The syllogism, its figures and moods. Reduct on direct and indirect. Hypothetical, disjunctive and mixed syllogisms. The Dilemma, Enthymeme, Sorites, and Epicheirema. Function and value of syllogism Analysis of deductive arguments. Fallacies

Inductive Logic.

The following syllabus is prescribed :—

The nature and presuppositions of inductive inference. Causation, its significance and importance in induction. Observation and experiment. Classification, nomenclature, and terminology. Hypothesis. Imperfect induction—simple enumeration and analogy. Methods o scientific induction. The deductive method of investigation Analysis of inductive arguments and application of inductive methods. Explanation and establishment of laws. The relation of induction to deduction. Fallacies.

Books recommended (*not prescribed*) to indica e the standard of treatment of the topics prescribed in the syllabus :—

1. Introductory Text-book of Logic : S. H. Mellone, (Blackwood & Sons, Edinburgh).

2. Intermediate Logic : Welton & Monahan. (University Tutorial Press, London).

3. Elementary Logic, Deduction and Induction : Diwan Chand. (Narayan & Co., Meston Road, Cawnpore).

4. Inductive Logic : P. K. Ray.

A MODERN INDIAN LANGUAGE.

Hindi.

There will be three papers, each of three hours' duration : the first paper will be set on the prescribed Poetry and Alankar, the second paper on the prescribed Prose and Drama, and the third paper on Unseen and Composition Questions on History of Hindi literature and critical questions will be distributed over the first and second papers

Paper I—Poetry and Alankar.

Text-books prescribed .—

1. Padya Ratna Sangrah (Sahitya Ratna Bhandar, Agra).
2. Din Daya' Giri—अन्योक्ति कल्पद्रुम (Nagari Pracharini Sabha, Benares).
3. वक संहार and वन वैभव (Sahitya Sadan, Chirgaon, Jhansi). Annas 8.

Paper II—Prose and Drama.

Text-books prescribed :—

1. Jai Shankar Prasad—अजातशत्रु (revised edition), (Bharati Bhandar, Benares)
2. Shyamsundar Das—गद्यकुसुमावली (Indian Press, Allahabad).
3. Premchand—प्रेम द्वादशी (Saraswati Press, Benares), or रूपक रत्नावली by Ram Chandra Verma (Sahitya Ratnamala Karyalaya, Benares).

Paper III—Unseen and Composition.

Books recommended for Alanka and History of Hindi Literature :—

1. Ram Ratna—अलंकार प्रबोध (Ratnasram, Agra).
2. सालपिनल by Ram Chandra Sukul, 'Saras' (Ram Narain Lal, Bookseller, Allahabad.)
3. Badri Nath Bhatta—हिन्दी (Ganga Pustak Mala, Lucknow).
4. Kaye—Hindi Literature (Heritage of India Series).

The following books are recommended for supplementary reading :—

1. Tulsidas—कवितावली (N. P. Sabha, Benares).
2. Shridhar Pathak—एकान्तवासी योगी (Padmakot, Allahabad).
3. Satya Jiwan Verma चित्रावली (Ram Narain Lal, Bookseller, Allahabad).
4. Ramchandra Shukla—शशाङ्क (N. P. Sabha, Benares).
5. Viyogi Hari—अन्तर्नाद
6. Pratap Narayan Misra—निबन्ध नवनीत (Abhyudaya Press, Allahabad).
7. Padum Lal Bakshi—पञ्चपात्र (Gandhi Hindi Pustak Bhandar, Allahabad).

N.B—Students are expected to read at least two books out of those recommended for supplementary reading.

Urdu.

There will be three papers in this language, each of three hours' duration; the first paper will be set on the prescribed Prose, the second on the prescribed Poetry, and the third on Unseen and Composition. Critical questions will be set in the first and second papers.

Paper I—P ose and Grammar.

Books prescribed :—

(1) سخندان پارس حصہ اول۔ محمد حسین آزاد from page 2 کہے تا گفتہ باشد up to page 54 ending with یورپ میں علم زبان

(2) آبحیات – نظم اردو کی تاریخ – محمد حسین آزاد موتیوں سے پہر دیکہی up to فلسفۂ یونان کہتے ہیں from

(3) حصہ ۲ - باب اول - شاعری کی حقیقت – شبلی نعمانی شعرالعجم – the who'e of the 1st chapter.

(4) مضامین سر سید (a) تعصب (b) تکمیل (c) امید کی خوشی (d) سراب حیات (e) خود غرضی (f) انسان کے خیالات (g) خط و کتابت (j) اخلاق (i) اپنی مدد آپ (h) بحث و تکرار

(5) – رویاے صادقہ (فصل اول تا ششم و ہشتم تا دہم) ڈاکٹر نذیر احمد

Grammar .—مجمع الفوائد۔ "Majma-ul-Fawaid," by Maulvi Syed Hamid Ali (Rai Sahib Ram Dayal Agarwala, Allahabad).

Paper II—Poetry and Grammar.

(۱) سودا – آیا عمل میں تیغ ہے تیری یہہ کردار
سودا – اب سامنے میرے جو کوئی پیر و جواں ہے (شہر آشوب)

omit lines 14, 15, 16, 26, 48, 49, 57, 58, 62, 63, 76, 77, 78, 86, 96

(۲) ذوق – ساون میں دیا لو مہ شوال دکھائی
ذوق – واہ وا کیا معتدل ہے باغ عالم کی ہوا

(۳) منیر – آئینۂ سخن کے لیئے ہو گہر آب میں

(۴) امیر – فصل گل آئی ہوا گلزار جنت دوستان

(۵) انیس – یارب چمن نظم کو گلزار ارم کر

(۶) وحید – اے قلم دامن کاغذ پہ گہر ریز ہو پہر

(۷) سرور جہان آبادی – حسرت دیدار – بیرہوئی

(۸) – چکبست { خاک ہند / سیر دہرادون / گوپال کرشن گوکھلے / رامائن کا ایک سین }

(۹) اقبال { شمع و شاعر / تصویر درد / گورستان شاهی }

(۱۰) جوالا پرشاد برق – مثنوی بہار (از گلدستہ پنچ)

The first 7 Ghazals from the first diwan of each of the following poets :—

(۱۱) مصحفی – وزیر – صبا – رند

Grammar :—

Majma-ul-Fawaid by Maulvi Syed Hamid Ali (Rai Sahib Ram Dayal Agarwala, Allahabad).

Paper III. Unseen and Composition.

The following books indicate the standard of the passages to be set :—

1. مرزا رسوا – شریف زادہ (National Press, Allahabad).
2. چکبست – مضامین چکبست (Indian Press, Allahabad).
3. الیاس برنی – جذبات فطرت حصہ اول (ترتیب جدید)

There will be three papers in each of the following languages Each paper will be of three hours; the first paper will be set on the prescribed Poetry and Drama, the second on the prescribed Prose, and the third on Unseen and Composition. Critical questions will be set in the first and the second papers :—

Bengali

Poetry.

1. *Kirtibas.*—Ramayan, Ajodhya Kanda.
2. *Rabindra Nath Tagore.*—Naivedya (Viswa Bharti Series).
3. Karnarjuna (drama) by Aparesh Chandra Mukhopadhyaya (Guru Das Chatterji and Sons, Calcutta). Re. 1-8.

Prose.

1. *Bankim Chandra Chatterji.*—Durgesh Nandini (novel).

2. *Ishanchandra Ghosh.*—Jatak, Volume I (nos. 1—25 and introduction).

3. *Hara Prashad Sastri.*—Bharat Mahila.

Composition.

Rakhal Das Vidyaratna.—Bengali Composition. (Recommended.)

Marathi.

Paper I, Poetry—

(1) संगीत शारदा नाटक by Deval.

(2) "Selections from Tukaram," as published in the latest edition of "Navnit."

Paper II, Prose —

(1) "Ragini (novel)," volumes I and II, by Vaman Malhar Joshi (Manoranjak Grantha Prasarak Mandali, Bombay).

(2) "Ashoka Charitra," by Vasudeo Govind Apte, published by the manager, "Anand," Poona City. Rs. 1-8-0.

Paper III, Unseen and Composition.—

Books recommended—(1) मराठी वाक्प्रचार व म्हणी, by Vidyadhar Vaman Bhide (Chitra Shala Press, Poona City).

(2) आगरकरांचे निबंध भाग १-२-३ Rs. 3-12-0.

Gujarati.

Paper I, Poetry and Drama—

(1) "Kavyamadhurya," selected by H. G. Anjaria.

(2) "Jaya-ane-Jayant," by N. D. Kavi.

Paper II, Prose—

(1) "Kavijivan," by Navalram (Naval Granthavali, Part I).

(2) "Sarasvatichandra," Part II, by Govardhanram M. Tripathi (N. M. Tripathi, Bombay). (Chapters I—V, pages 1—136, 4th edition).

(3) "Kavita-ane-Sahitya," by Sir Ramanbhai M. Nilkanth (Gujarat Vernacular Society edition, Ahmedabad). Vol. 1 (pages 1—72).

Paper III, Unseen and Composition—

No special recommendation.

A MODERN EUROPEAN LANGUAGE.

There will be three papers of three hours each. The first paper will consist of extracts from the prescribed Text-books together with grammatical questions. The second paper will contain Unseen passages for translation from French into English; these passages are not to be taken from the prescribed Text-books. The third paper will consist of a passage or passages of English prose to be translated into French.

French.

Prescribed Text-books—

1. ERCKMANN-CHATRIAN : Le Conscrit.
2. MICHAND : Conteurs Francairs d'aujourd'hui (Heath).
3. French poetry for advanced students by A. Watson Bain (Macmillan & Co.), of which poems numbered 2, 15, 23, 24, 30, 34, 35, 38, 43, 57, 61, 75, 102, 108 and 116 are prescribed.

Grammar recommended—

French Grammar (Sonnenschein's Para lel Grammar Series) *or* Heath's Modern French Grammar. (Harrap.)

Books recommended for rapid reading :—

La Bastide Rouge (Elie Berthet). La Rose Blanche (Louise Enau't) and La Viede Polichinelle (Octave Feuill t), all of Siepman's French series Macmillan & Co.

Book recommended for French Composition :—

Easy steps in French Composition by Horsley and Bonne (Rivington).

2. *Ishanchandra Ghosh.*—Jatak, Volume I (nos. 1—25 and introduction).

3. *Hara Prashad Sastri.*—Bharat Mahila.

Composition.

Rakhal Das Vidyaratna.—Bengali Composition. (Recommended.)

Marathi.

Paper I, Poetry—

(1) संगीत शारदा नाटक by Deval.

(2) "Selections from Tukaram," as published in the latest edition of "Navnit."

Paper II, Prose —

(1) "Ragini (novel)," volumes I and II, by Vaman Malhar Joshi (Manoranjak Grantha Prasarak Mandali, Bombay).

(2) "Ashoka Charitra," by Vasudeo Govind Apte, published by the manager, "Anand," Poona City. Rs 1-8-0.

Paper III, Unseen and Composition.—

Books recommended—(1) मराठी वाक्प्रचार व म्हणी, by Vidyadhar Vaman Bhide (Chitra Shala Press, Poona City).

(2) आगरकरांचे निबंध भाग १–२–३ Rs. 3-12-0.

Gujarati.

Paper I, Poetry and Drama—

(1) "Kavyamadhurya," selected by H. G. Anjaria.

(2) "Jaya-ane-Jayant," by N. D. Kavi.

Paper II, Prose—

(1) "Kavijivan," by Navalram (Naval Granthavali, Part I).

(2) "Sarasvatichandra," Part II, by Govardhanram M. Tripathi (N. M. Tripathi, Bombay). (Chapters I—V, pages 1—136, 4th edition).

(3) "Kavita-ane-Sahitya," by Sir Ramanbhai M. Nilkanth (Gujarat Vernacular Society edition, Ahmedabad). Vol. 1 (pages 1—72).

Paper III, Unseen and Composition—

No special recommendation.

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French.

Prescribed Text-books—

1. ERCKMANN-CHATRIAN : Le Conscrit.

2. MICHAND : Conteurs Francairs d'aujourd'hui (Heath).

3. French poetry for advanced students by A. Watson Bain (Macmillan & Co), of which poems numbered 2, 15, 23, 24, 30, 34, 35, 38, 43, 57, 61, 75, 102, 108 and 116 are prescribed.

Grammar recommended—

French Grammar (Sonnenschein's Parallel Grammar Series) *or* Heath's Modern French Grammar. (Harrap.)

Books recommended for rapid reading :—

La Bastide Rouge (Elie Berthet). La Rose Blancho (Louise Enau't) and La Viede Polichinelle (Octave Feuill t), all of Siepman's French series Macmillan & Co.

Book recommended for French Composition :—

Easy steps in French Composition by Horsley and Bonne (Rivington).

2. *Ishanchandra Ghosh.*—Jatak, Volume I (nos. 1--25 and introduction).
3. *Hara Prashad Sastri.*—Bharat Mahila.

Composition.

Rakhal Das Vidyaratna.—Bengali Composition. (Recommended.)

Marathi.

Paper I, Poetry—

(1) संगीत शारदा नाटक by Deval.
(2) "Selections from Tukaram," as published in the latest edition of "Navnit."

Paper II, Prose.—

(1) "Ragini (novel)," volumes I and II, by Vaman Malhar Joshi (Manoranjak Grantha Prasarak Mandali, Bombay).
(2) "Ashoka Charitra," by Vasudeo Govind Apte, published by the manager, "Anand," Poona City. Rs. 1-8-0.

Paper III, Unseen and Composition.—

Books recommended—(1) मराठी वाक्प्रचार वह्मणी, by Vidyadhar Vaman Bhide (Chitra Shala Press, Poona City).
(2) आगर करांचे निबंध भाग १-२-३ Rs. 3-12-0.

Gujarati.

Paper I, Poetry and Drama—

(1) "Kavyamadhurya," selected by H. G. Anjaria.
(2) "Jaya-ane-Jayant," by N. D. Kavi.

Paper II, Prose—

(1) "Kavijivan," by Navalram (Naval Granthavali, Part I).
(2) "Sarasvatichandra," Part II, by Govardhanram M. Tripathi (N. M. Tripathi, Bombay). (Chapters I—V, pages 1-–136, 4th edition).

(3) "Kavita-ane-Sahitya," by Sir Ramanbhai M. Nilkanth (Gujarat Vernacular Society edition, Ahmedabad). Vol. 1 (pages 1—72)

Paper III, Unseen and Composition—

No special recommendation.

A MODERN EUROPEAN LANGUAGE.

There will be three papers of three hours each. The first paper will consist of extracts from the prescribed Text-books together with grammatical questions. The second paper will contain Unseen passages for translation from French into English; these passages are not to be taken from the prescribed Text-books. The third paper will consist of a passage or passages of English prose to be translated into French.

French.

Prescribed Text-books—

1. ERCKMANN-CHATRIAN : Le Conscrit.

2. MICHAND : Conteurs Francairs d'aujourd'hui (Heath).

3. French poetry for advanced students by A. Watson Bain (Macmillan & Co.), of which poems numbered 2, 15, 23, 24, 30, 34, 35, 38, 43, 57, 61, 75, 102, 108 and 116 are prescribed.

Grammar recommended—

French Grammar (Sonnenschein's Parallel Grammar Series) *or* Heath's Modern French Grammar. (Harrap.)

Books recommended for rapid reading :—

La Bastide Rouge (Elie Berthet). La Rose Blanche (Louise Enau't) and La Viede Polichinelle (Octave Feuill t), all of Siepman's French series Macmillan & Co.

Book recommended for French Composition :—

Easy steps in French Composition by Horsley and Bonne (Rivington).

A CLASSICAL LANGUAGE.

There will be three papers of three hours each in each of these languages : the first paper will be on Poetry and Drama, the second paper on Prose and Unseen and the third paper on Grammar, Composition, and Translation into the classical language. Questions in Grammar relating to the text may be included in each of the first two papers, the number of marks assigned to such questions in each paper being not more than 20 per cent. of the total in the case of Sanskrit only.

(a) Sanskrit.

Paper I.—Poetry and Drama—

(a) Raghuvamsha, Canto XIII (as in Astapuspika by Nilkamal Bhattacharya or in any other edition).

b) Shakuntala, Act IV (as in Astapuspika by Nilkamal Bhattacharya or in any other edition).

NOTES —1 Students are expected to explain selected passages in their own Sanskrit.

2. No Prakrit passages shall be set for the examination.

Paper II.—Prose and Unseen—

(a Prose—Chandrapida Charitam (the story of Kadambari written concisely in Bana's own words), by Pandit V. Anantacharya, published by the editor in 1917, Nungambakkam, Madras, and printed at the Law Printing House, Mount Road, Madras. Price, annas 6.

b) Unseen—

(1) Bharatanuvarnanam भारतानुवर्णनम) by M. M. T. Ganapati Sastri (Shridar Power Press, Trivandrum).

(2) Shakuntalopakhyana from the Mahabharata.

NOTE —Easy passages from the above-mentioned books and similar passages from other similar books should be set for translation.

Paper III —Grammar, Composition, and Translation.

Books recommended .—

1 Apte's Guide to Sanskrit Composition.
2 Kale's Higher Sanskrit Grammar.
3. Vidya Bhushan's Sanskrit Grammar
4 Bhandarkar's Second Book of Sanskrit.
5 Sanskrit Vyakaran Prabeshika, by Babu Ram Saksena (National Press, Allahabad).

In addition to the course in Grammar prescribed for the High School Examination of 1930, the course in Grammar for the Intermediate Examination of 1932 shall consist of the following :—

The remaining declensions of all nouns and pronouns, conjugations of verbs of frequent occurrence in classical literature of all the *ganas* in all the *lakāras*, the use of *karakas*, the *samasas*, and the *krit* and *taddhita* forms.

N.B —Sanskrit must be written in Devanagari character.

(b) Arabic.

Paper I.—Poetry and Unseen.

Text :—

(a) حسان بن ثابت

١ — عفت ذات الاصابع فالجواء
٢ — هل رسم دارسة المقام يباب
٣ — عرفت ديار زينب بالكثيب
٤ — صلى الاله على الذين تتابعوا
٥ — الا والله ماندري هذيل
٦ — والله انا لانسارق ماجدا
٧ — وشق له من اسمه كي يجله
٨ — مابال عيني لا تنام كانما
٩ — اليت حلفة بر غير ذي دخل

ناو بني ليل بيثرب اعسر – ١٠
اظن عيينة اذ زارها – ١١
الا يالقوم هل لماحم دافع – ١٢
اعرض عن العوراء ان اسمعتها – ١٣
لقد جدعت اذان كعب و عامر – ١٤
اذالله حيا معشرا دفعالهم – ١٥
ذهبت بابن الزبعري وقعة – ١٦
ولقد بكيت و عز مهلك جعفر – ١٧
لقد ورث الضلالة عن ابيه – ١٨
ابا لهب ابلغ بان محمدا – ١٩
الله اكرمنا بنصر نبيه – ٢٠
هل المجد الا السودد العود و الندى – ٢١
ابك بكت عيناك ثم تبادرت – ٢٢
الين اذالان العشير فان تكن – ٢٣
ويثرب تعلم إنّا بها – ٢٤
و ممسك بصداع الراس من سكر – ٢٥
ابلغ هوازن اعلها و اسفلها – ٢٦
سقتم كنانة جهلا من عداوتكم – ٢٧
لو حلق اللوم انسانا يكلمهم – ٢٨
ثوى بمكة بضع عشرة حجة – ٢٩

(b)	شعر النصرانيه	Page	No. of lines.	Poet.
(1)	ا ادكم حاجتي ام قد كفاني	220	9	اميته ابن الصامت
(2)	الم تران الورد عدد صدره	94	4	قبيصة ابن النصراني
(3)	بكيت لفرسان و حق لناظري	147	7	براق
(4)	لقد نصحت الاقوام و قلت لهم	616	9	ورقة بن نوفل
(5)	آ اجمع صحبتي السحر ارتحالا	201	6	عمرو بن كلثوم
(6)	فلم تنصرانا غطفان لما	208	11	زهير بن حباب
(7)	لقيت تغلب كمصبة عان	243	9	فندالزماني
(8)	انما جاري لعمرى فاعلموا ادنى عيالي	246	8	جساس بن مرة

شعرالنصرانية	Page.	No. of lines.	Poet.
(9) يا كعب ابل او قصرت علي	254	9	عبدالمسيح بن عسله
(c) ديوان الحماسة			
اذالمرء لم يدنس من اللوم عرضه	28	22	سموئل بن عاديا
(d) رياض الادب	147	6	حديقة بنت عمر
كنا كغصنين في جرثومة سمقا			والدا هلية
(e) ديوان الخنساء	41	10	الخنساء بنت عمرو
اعيني جودا ولا تجمدا			

Dr. A. S. Tritton's edition of these selections is approved.

Unseen—

The following book indicates the standard of passages to be set —

نوادر الحكايات by قليوبي 1st half.

Paper II —*Prose and Unseen.*

Text .—

(*a*) ابن خلدون (The biography of the Prophet.)

(*b*) Tajaribul Umam, Eclipse of the Abbaside Caliphate, volume I, pages 83 to 91. Imprisonment of Um Musa, the stewardess, and appointment of Ibn Furat as Wezir, 310 to 311 Hijra, pages 202 to 216.

Unseen—

The following book indicates the standard of passages to be set :—

نوادرالحكايات by قليوبي 1st half.

Paper III.—Grammar, Composition, and Translation into the classical language. *

Grammar—

مدارج العربية by M Izzat Ullah, (Chashmai Rahmat Book Agency, Ghazipur, U. P)

NOTE.—Arabic words must be written in Arabic character.

*NOTE.—Alternative questions to the extent of 25 per cent. shall be set in this paper.

(f) Hebrew.

Pr cribed course :—

I.—Text—SAMUEL, Book I.

PSALMS, I—LX.

II.—G nesis is recomme ded for rapid reading in connexion with Unseen.

III.—Grammar :—Duff's Hebrew Grammar is recommended.

NOTE.—Alternative questions to the extent of 25 per cent. shall be set in this paper.

PHYSIOLOGY, HYGIENE AND CHILD-STUDY.

(*For female candidates only.*)

NOTE —The subject should be taught in such a way as to be of practical value to the students.

There will be two papers of three hours each : the first paper will contain questions on (1) Activities of the Modern Home, (2) Physiology and Hygiene, and (3) Public Health and the second paper questions on Child-Study

I.—Activities of the Modern Home.

(1) To provide for the physical needs and development of the members of the family.

(2) To provide for their mental, moral and social needs.

(3) To co-operate with the community for the better meeting of these needs.

(4) To maintain the home on an *economically sound* basis so as to make possible the meeting of the above needs.

II.—The study of Physiology and Hygiene, especially from the point of view of the physical development of the child.

A.—The cells, the supporting tissue and their structure

B.—The skeleton; bones; joints; the muscular system. A special study of the conditions making for the normal development of these systems, such as posture, etc

C.—Digestion and nutrition.

(1) The organs and processes of digestion.

(2) The food needs of the body.

(3) The classes of food-stuffs.

(4) The diet of the pre-school and school child.

(a) Constipation as a special dietary problem of school children.

(b) Mal nutrition, how to detect and remedy it.

(5) Effect of cooking on food; method of cooking with special emphasis on methods of cooking food for children.

(6) Treatment of minor digestive ailments.

(7) Alcohol and drugs and their effect on the digestive system.

D—The excretory system—The skin, kidney, bowels. Health habits of children in relation to the above.

E.—The circulation of the blood—The heart; arteries; veins; capillaries. The regulation of the blood supply. The composition of the blood and its work in the body.

The problem of the child with the weak heart.

F.—Respiration.

(1) The lungs; trachea; larynx; the composition of pure and impure air, effect of breathing on air.

(2) Formation of proper breathing habits in children. Posture; special breathing exercises.

(3) Ventilation for the school and home.

G.—The nervous system and sense organs.

(1) The nerves; spinal cord; brain.

(2) The structure of the eye; ear; nose.

(3) Health habits to promote the normal development of these organs.

(4) Common defects of these organs—how to detect them.

(5) Treatment of minor ailments and accidents.

(6) The effect of alcohol and drugs on the nervous system and sense organs.

H.—Clothing.

(1) Selection of clothing, especially for children.

(2) Training of children as to care and cleanliness of clothing.

I.—Occupation, exercise, recreation, rest, sleep. Health habits to be established in children in the above.

J.—Precautions against common diseases.

(1) Health habits which will protect the child from common diseases.

(2) Health habits which will prevent the spread of infectious diseases.

III.—Public Health

A.—Responsibility of the individual.

B.—Disposal of refuse and waste water. Drainage. Latrines.

C.—Water supply, Food supply.

D.—Prevention and arrest of infectious diseases.

E.—Gardens. Play grounds. Open spaces.

F.—Modern movements for the education of society in the laws of health, e g., "Child Welfare."

IV.—Child-Study.

The study of children's development from the point of view of physique, intelligence, and character, based as far as possible on the observation of individuals and classes.

An elementary study of the means by which children acquire knowledge and skill, including such as the following :—

The senses and sense training ; instincts and their relation to children's interests ; forms of activity and expression ; the function of play ; imitation and suggestion ; habits and their formation, memory and imagination ; interest and attention ; the formation of clear and connected ideas , simple processes of reasoning ; growth of the will.

The aims and methods of discipline ; training in responsibility, in the right use of freedom and in the social duties.

Books of reference—

1. *Elementary Physiology, by W. B. Drummond 2*s.* 2*d.* (Publisher, Arnold).

2. * Elementary Hygiene for India, by C Beresford (Lahiri & Co , College Street, Calcutta).

3. Physiology and Hygiene, by G D Cathcart. (Macmillan).

4. Elementary Physiology, by Bhatia and Suri (Longmans Green & Co)

5. Child Mind, by Dumville

6. Modern Psychology, by Meredith (Constable)

7. Dawn of Mind, by Drummond (Arnold)

8. Child-welfare, by Dr S K Mukerji (Indian Press, Allahabad).

9. Physiology, by T. Huxley.

(The books marked* indicate the scope of the work required in Physiology and Hygiene)

INTERMEDIATE EXAMINATION IN COMMERCE OF 1932.

The following are the subjects of examination :—

Compulsory subjects—

1. English
2. Book-keeping and Accountancy.
3. Business Methods and Correspondence.
4. (*a*) Elementary Economics.
   (*b*) Commercial Geography.

Optional subjects—

One of the following :—

1. Steno-typing (shorthand and typewriting).
2 Elements of Banking.
3. Elements of Industrial Organization.
4 Mathematics.

The following papers will be set :—

1 *English.*—Two papers of three hours each.

2 *Book-keeping and Accountancy.*—Two papers of three hours each

3 *Business Methods and Correspondence.*—Two papers of three hours each: one paper on Business Methods and one paper on Correspondence, précis-writing, etc.

4. *Elementary Economics and Commercial Geography.*—Two papers of three hours each : one paper on Elementary Economics and one paper on Commercial Geography.

5. *Steno-typing*.. { *Shorthand.*—One paper of three hours
Typewriting.—One paper of one hour.

6. Elements of Banking.—One paper of three hours.

7. *Elements of Industrial Organization.*—One paper of three hours.

8. *Mathematics.*—Two papers of three hours each.

No.	Subject.	Paper	Time (hours)	Marks for each paper.	Total marks for each subject	Minimum pass marks.
		COMPULSORY				
1	English	First paper (Prose)	3	50	100	33
		Second paper (Composition and translation.)	3	50		
2	Book-keeping and Accountancy.	First paper	3	50	100	33
		Second paper	3	50		
3	Elementary Economics and Commercial Geography	First paper (Economics)	3	50	100	33
		Second paper (Geography)	3	50		
4	Business Methods and Correspondence.	First paper (Business methods).	3	50	100	33
		Second paper (Correspondence, precis writing, etc.)	3	50		
		OPTIONAL				
1	Steno typing	First paper (Shorthand)	3*	50	100	33
		Second paper (Typewriting)	1	50		
2	Elements of Banking	One paper	3	100	100	33
3	Elements of Industrial Organisation	One paper	3	100	100	33
4	Mathematics	First paper	3	50	100	33
		Second paper	3	50		

* Excluding five minutes' interval between the dictation of the two sections in Shorthand.

The syllabus in each subject is as follows :—

English.

(The same course as is prescribed for the Intermediate Examination of 1932, excluding poetry portion.)

Book-keeping and Accountancy.

The principles of Double Entry Book-keeping and their application Books of original entry, including Tabular Forms. The Ledger. Trial Balance. Manufacturing, Trading and Profit and Loss Accounts, with apportionments and adjustments

Balance-sheets. Loose Leaf and Card Index system of Book-keeping, Self-balancing Ledgers, Single Entry Book-keeping.

In the treatment of the above the following matters will be included :—Cheques, Bills of Exchange and Promissory Notes, Goodwill; Classification of Assets; Bad Debts; Depreciation, Reserves and Sinking Funds; Consignment, Joint Venture and Contract Accounts; Partnership and Company Accounts (including the Double Account system), Capital and Revenue, Investment Accounts, Accounts Current and Average Due Dates.

Books recommended:—

1. Students' Elementary Book-keeping, by Arthur Fieldhouse (Simpkin-Marshall & Co, Ltd., London, E. C.4).

2. Advanced Accounts (fifth edition), by J. R. Batliboi. (S, Govind & Co., Bombay).

3. Advanced Accounts, by R. N. Carter. (Pitman & Sons.).

Business Methods.

1. The general routine of a Business House :—Inward and Outward correspondence (excluding drafting);

Methods of rapid communication; Duplicating processes.

2. The significance of Trade, Commerce and Industry; Manufacturing and Distribution Houses. The buy ing and selling of goods. Mercantile Enquiry Agencies. Importation and Exportation of goods Documentary Bills. Elementary Fire and Marine Insurance as applicable to this section Use of Card Indexes.

3. The meaning of the principal commercial terms occurring in connexion with the above and the preparation of the chief documents involved, including arithmetical calculations.

4. An elementary knowledge of the Law relating to Contracts and Negotiable Instruments

Contract Law—Agreements that are contracts; essentials of a good contract, offer and acceptance, genuineness of consent, contractual capacity of parties, legality of objects (agreements, unlawful, immoral and against public policy void), performance and discharge of contracts; breach of contract; damages

Sale of goods—Sale of ascertained and unascertained goods, passing of ownership, delivery, actual and constructive implied warranties, rights of unpaid seller.

Negotiable instruments—Making, drawing, accepting and endorsing of Promissory notes, Bills of Exchange and Cheques, holder in due course, dishonour noting and protest, presentment for payment and acceptance, acceptance for honour.

Books recommended —

1. Modern Business Training, by John K Grebby (Macdonald & Evans, London).

2. Commercial Practice, by Roop Ram Gupta and K L Govil, Parts I and II (Messrs. Gautama Bros. & Co, Cawnpore).

Correspondence.

This will consist of—

(a) Commercial and official correspondence.

(b) Rewriting in plain language of passages from market reports (financial and commodity markets) with explanations of selected terms and phrases occurring in the passages.

(c) Precis-writing.

Book recommended (not prescribed) :—

Modern Commercial Correspondence, by John K. Grebby (MacDonald & Evans, London).

Elementary Economics.

(The treatment of the subject should be very elementary and, as far as possible, it should be illustrated by reference to Indian conditions.)

The subject-matter and scope of Economics, fundamental notions and simple definitions. Relation between wants, efforts and satisfaction.

Production.—Factors of production : Land, Labour, Capital and Organization

Nature and Limitations of Land , Division of Labour and other factors of efficiency of labour ; Organization of capital.

Laws of increasing, diminishing and constant returns.

Wants.—Diminishing utility. Value—its determination. Balancing of supply and demand

The Machinery of exchange. Money and banking, both to be illustrated from Indian examples (including the Sahukari system in the villages and the Sarafi system in cities). Convertibility of paper money in India. Cheques and Hundis (Foreign exchanges are excluded).

Distribution.—Rent—interest—wages—profits (with particular reference to Indian conditions).

Books recommended (but not prescribed as text-books):—

1. Outlines of Economics, by J. T. Goodchild (University Book Dèpôt, Agra)

2. PENSON : Economics of Every-day Life, Part I.

3. MORELAND : Introduction to Economics (Macmillan & Co.)

4. JEVONS : Money and Banking in India.

5. Introduction to Economics for Indian Students by W H. Moreland (Macmillan & Co , St. Martin's Street, London).

6. The Economics of Every-day Life, by Sir T. H. Penson (Cambridge University Press).

Commercial Geography.—(*a*) An elementary study of the principles of economic Geography on the basis of regional divisions, and their correlation with the distribution of the principal commercial commodities and industries

(*b*) Trade centres, Ports, Trade Routes

(*c*) Detailed study of India on the regional basis on the lines indicated above

Books recommended —

(1) Rudmose Brown's "Principles of Economic Geography."

(2) Howarth's " A short Commercial Geography "

TYPE-WRITING.

The syllabus will be the same as in Commerce for the High School Examination of 1932, but of a more advanced character—the speed to be 30 words per minute

There shall be no paper on the theory of typewriting.

Correspondence.

This will consist of—

(a) Commercial and official correspondence.

(b) Rewriting in plain language of passages from market reports (financial and commodity markets) with explanations of selected terms and phrases occurring in the passages.

(c) Precis-writing.

Book recommended (not prescribed) :—

Modern Commercial Correspondence, by John K. Grebby (MacDonald & Evans, London).

Elementary Economics.

(The treatment of the subject should be very elementary and, as far as possible, it should be illustrated by reference to Indian conditions.)

The subject-matter and scope of Economics, fundamental notions and simple definitions. Relation between wants, efforts and satisfaction.

Production.—Factors of production : Land, Labour, Capital and Organization.

Nature and Limitations of Land , Division of Labour and other factors of efficiency of labour ; Organization of capital.

Laws of increasing, diminishing and constant returns.

Wants.—Diminishing utility. Value—its determination. Balancing of supply and demand.

The Machinery of exchange. Money and banking, both to be illustrated from Indian examples (including the Sahukari system in the villages and the Sarafi system in cities). Convertibility of paper money in India. Cheques and Hundis (Foreign exchanges are excluded).

Distribution.—Rent—interest—wages—profits (with particular reference to Indian conditions).

Books recommended (but not prescribed as text-books):—

1. Outlines of Economics, by J. T. Goodchild (University Book Dèpôt, Agra)

2. PENSON : Economics of Every-day Life, Part I.

3. MORELAND Introduction to Economics (Macmillan & Co.)

4. JEVONS : Money and Banking in India

5. Introduction to Economics for Indian Students by W H. Moreland (Macmillan & Co , St. Martin's Street, London).

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TYPE-WRITING.

The syllabus will be the same as in Commerce for the High School Examination of 1932, but of a more advanced character—the speed to be 30 words per minute.

There shall be no paper on the theory of typewriting

Premium, Simple and Compound Interest (the use of logarithms will be permitted when necessary).

(*b*) *Algebra.*—The Theory of Quadratic Equations, Arithmetical, Geometrical and Harmonic Progression, Permutations and Combinations, Theory of indices and logarithms, Use of binomial and exponential theorems.

(*c*) *Trigonometry.*—Measurements of angles, trigonometrical ratios, identities and trigonometrical equations, practical applications of Logarithms; Solution of Triangles, properties of triangles.

Paper II. (*a*) (I).—Pure Geometry as given in parts V and VI of Hall and Stevens' Geometry.

(2) *Analytical Geometry.*—Straight Lines, Circles, Elementary Properties of conics.

(*b*) Elements of differential Calculus.

INTERMEDIATE EXAMINATION IN AGRICULTURE OF 1932.

N.B.—Preference for admission to this course will be given to candidates who have studied (a) Chemistry and Physics or (b) Agriculture for their admission test examination.

The following are the subjects of examination :—

Group 1.

	Maximum marks.	Time allowed.
PAPER I.—Chemistry	25	Three hours.
PAPER II —Physics	25	Ditto.
Practical Chemistry ..	25	Ditto.
Practical Physics ..	25	Ditto.
Total ..	100	

Group 2.

PAPER I.—Botany	25	Three hours.
PAPER II.—Zoology	25	Ditto.
Practical Botany ..	25	Ditto.
Practical Zoology ..	25	Ditto.
Total ..	100	

Group 3.

PAPER I.—Physical properties of soil, soil geology, climatology	30	Three hours.
PAPER II.—Elements of Plant Feeding, Principles of manuring, Principles of Irrigation and Drainage	30	Ditto.
Practical farming ..	30	Ditto.
Practical A. Crop culture	30	Ditto.
Practical B. Farm Machinery, including ploughing and other tillage operations ..	30	Ditto.
Practical C. Animal Husbandry	30	Ditto.
Total ..	150	

Premium, Simple and Compound Interest (the use of logarithms will be permitted when necessary).

(*b*) *Algebra.*—The Theory of Quadratic Equations, Arithmetical, Geometrical and Harmonic Progression, Permutations and Combinations, Theory of indices and logarithms, Use of binomial and exponential theorems.

(*c*) *Trigonometry.*—Measurements of angles, trigonometrical ratios, identities and trigonometrical equations, practical applications of Logarithms; Solution of Triangles, properties of triangles.

Paper II. (*a*) (1).—Pure Geometry as given in parts V and VI of Hall and Stevens' Geometry.

(2) *Analytical Geometry.*—Straight Lines, Circles, Elementary Properties of conics.

(*b*) Elements of differential Calculus.

INTERMEDIATE EXAMINATION IN AGRICULTURE OF 1932.

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The following are the subjects of examination :—

Group 1.

	Maximum marks.	Time allowed.
Paper I —Chemistry	25	Three hours.
Paper II —Physics	25	Ditto.
Practical Chemistry ..	25	Ditto.
Practical Physics ..	25	Ditto.
Total ..	100	

Group 2.

Paper I.—Botany	25	Three hours.
Paper II.—Zoology	25	Ditto.
Practical Botany ..	25	Ditto.
Practical Zoology ..	25	Ditto.
Total ..	100	

Group 3.

Paper I —Physical properties of soil, soil geology, climatology	30	Three hours.
Paper II —Elements of Plant Feeding, Principles of manuring, Principles of Irrigation and Drainage	30	Ditto.
Practical farming ..	30	Ditto.
Practical A. Crop culture	30	Ditto.
Practical B. Farm Machinery, including ploughing and other tillage operations ..	30	Ditto.
Practical C. Animal Husbandry	30	Ditto.
Total ..	150	

Phosphorus.—Phosphorus pentoxide, phosphoric acid and the phosphates.

Arsenic and arsenious oxide.

Silicon, silica, and the silicates.

Mercury and Silver—their oxides, chlorides and nitrates.

Copper—its sulphate, nitrate and oxides.

Lead—its oxides, chlorides and sulphate.

Iron—its oxides, sulphate, chloride and phosphate; steel, cast iron and wrought iron.

Aluminium—its oxides; sulphate and chloride.

Zinc—its oxide, chloride and nitrate.

Manganese—its oxides, chloride, sulphate and potassium permanganate.

Calcium—its oxide, hydroxide, chloride, nitrate, sulphate, carbonate and phosphate.

Barium—its oxides, carbonate, chloride and sulphate.

Magnesium—its oxide, chloride, sulphate, carbonate and phosphate.

Sodium, Potassium and Ammonium—their hydrates, chlorides, nitrates, sulphates, carbonates and phosphates.

B.—Organic.

General composition; physical properties and general classification of carbon compounds.

Hydrocarbons, saturated and unsaturated:—methane, ethane, ethylene and acetylene.

Alcohols; methyl and ethyl alcohols; glycerine.

Aldehydes and ketones; formaldehyde, acetaldehyde, acetone.

Ethers:—Ethyl ethers.

Acids; formic, acetic, butyric, oxalic, lactic and citric.

Fats, oils and soaps.

Carbohydrates: grape sugar, fruit sugar, cane sugar, starch and cellulose.

Proteins: Albumin.

Practical work in chemistry.

Differentiation between chemical compounds and mechanical mixtures.

Solution; *suspension*; *sedimentation*; *decantation*; filtration, precipitation; crystallisation and distillation.

Examination of the important atmospheric constituents.

Preparation of hydrogen, oxygen, nitrogen, nitrous oxide, nitric oxide, nitric acid, ammonia, chlorine, hydrochloric acid, sulphur dioxide and carbon dioxide.

Examination of hard water and methods of softening.

Preparation of the following in their pure form :—

Sodium chloride, potassium or ammonium sulphate, calcium carbonate and ferric oxide.

Acidimetry and alkalimetry.

Qualitative reactions of the following :—

Chlorides, nitrates, sulphates and sulphides, carbonates, phosphates : arsenic, silver, mercury, copper, lead, iron, aluminium, zinc, manganese, calcium, barium, magnesium, sodium, potassium and ammonium.

Qualitative analysis of single salts containing one acid and one base.

Preparation of methane.

Examination of the following organic compounds :—

Ethyl alcohol, glycerine, oxalic acid, grape sugar, fruit sugar, cane sugar and starch.

Study of the physical and chemical properties of vegetable and mineral oils. Saponification.

Qualitative reactions of proteins.

The following books are suggested for reference :—

1. Every-day Chemistry, Alfred Vivian (American Book Co., New York). Price, about Rs. 5.

2. A foundation course in Chemistry for students o Agriculture and Technology, by J. W. Dodgson and J. A

Murray. (Longmans, Green & Co., Calcutta). Price, about Rs. 3.

3. Introduction to the Study of Inorganic Chemistry, by W. A. Miller. (Longmans, Green & Co., Calcutta). Price, about Rs 4

4. Organic Chemistry, by Perkin and Kipping. (W. R Chambers, Ltd, London) Price, about Rs. .7.

5. Elementary Agricultural Chemistry, by H. Ingle, (Charles, Griffin & Co, Ltd, London). Price, about Rs. 4.

6 Inorganic Chemistry, by F. J. Holmyard (Edward Arnold & Co, Ltd, London)

II—PHYSICS.

Units and measurements; Metric system: Length; Area; Volume, Mass; Time. The Vernier and the micrometer scales. Balance and density.

Velocity, acceleration and momentum. Kinematical equations of rectilinear motion Composition and resolution of velocities or accelerations; the parallelogram law

Force and motion, inertia. Newton's laws of motion. Measure of a force. Composition and resolution of forces. Gravity and laws of falling bodies; mass and weight; centre of gravity. Centripetal and centrifugal forces defined Projectiles, torques or moments.

Equilibrium of forces; triangle and polygon of forces; Simple illustrations of friction and its laws. Stable and unstable equilibrium and conditions of equilibrium as in levers, pulleys, inclined plane, ploughs, etc.

Pressure of liquids at rest, variation with depth. Transmission of liquid pressure; Hydraulic press; Principle of Archimedes; Laws of hydrometers. Specific gravity.

The atmospheric pressure. Boyle's Law. Force and suction pumps. Syphon.

Work ; energy : power ; efficiency of machines : definitions and simple illustrations.

Matter and energy Properties of matter Surface tension, capillarity, viscosity ; osmosis ; rigidity and elasticity Molecular structure of matter. Different forms of energy

Liquids and gases in motion, wave motion (*elementary treatment*).

Heat energy :—Source ; modes of transference ; effects of heat on matter, thermometry ; specific heats ; evaporation and boiling ; vapour pressure, condensation and frost ; latent heats ; hygrometry and dew point ; mechanical equivalent of heat.

Radient energy :—Source of light ; mode of propagation ; light waves ; shadows, illumination ; reflection ; transmission ; absorption and dispersion of light ; magnification, images, telescope ; microscope.

Magnetic energy :—Magnets ; magnetic forces ; magnetisation ; compass

Electric energy .—Electrification by *friction* ; *insulators*, conductors ; electroscope ; electrophorus. Electricity generated by chemical action ; by dynamos. Resistance, magnetic effect of current ; transformation of electric energy into heat, light and power ; practical acquaintance with galvanometers, voltmeters, ammeters, electrolysis (Simplest forms)

Practical Work in Physics.

Accurate determination of length, area, mass, volume and density. Use of calipers, screw gauge, spherometer, balance, burette and squared paper.

Determination of acceleration due to gravity by the simple pendulum.

Verification of the law of parallelogram of forces.

Verification of the principles of parallel forces and of the lever.

Determination of centre of gravity of plane laminas.

Determination of co-efficient of friction.

Determination of efficiency of a system of pulleys.

Use of the Nicholson's Hydrometer.

Use of the hydrostatic balance : determination of specific gravities of—

(1) insoluble sinking solid, (2) floating solid, (3) liquid.

Verification of Boyle's Law and practice in barometer reading.

Use of the density bottle : determination of true and apparent density of soils and porespace.

Practice in reading various thermometers.

Determination of Humidity and Dew point.

Determination of Boiling point.

Preparation of a graph showing cooling of water by radiation.

Determination of specific heat :—(1) method of mixture, (2) method of radiation

Determination of Latent heats of vaporisation and fusion

Reflection of light : use of plane and concave mirrors.

Refraction of light · determination of Refractive index.

Determination of focal length of a converging lens.

Practice in use of a telescope and of a microscope.

Magnetisation of needles and determination of their poles.

Charting of lines of force due to a magnet in different positions.

Use of simple electroscopes (Gold leaf and Pith ball).

Construction of a simple cell and use of the simple galvanometer.

Determination of Electromotive force by the potentiometer or balance method.

Determination of Electric resistance by substitution method.

The following books are suggested for reference :—

1. A High School Course in Physics, by F. R. Gorton (D. Appleton and Co., New York). Price about Rs 5.

2 Every Day Physics, by H. E. Hadley (Macmillan and Co , Ltd , London)

GROUP II

BOTANY.

Zoology.

(The course will aim at the study of the phenomena exhibited by living matter as illustrated by lower plants animals and their organs)

Introduction —Living and non-living matter, study of life in its simplest form as illustrated by Amoeba, Nostoc, Euglena, Volvox, Paramoecium and Spirogyra; general properties of protoplasm as the basis of all life

The cell, animal and vegetable, its growth and simple division; combinations of cells to form tissues; combination of tissues to form organs as illustrated by Hydra and Moss.

I.—Botany.

Study of plant in general.

External morphology of the plant organs · stem, root, leaf, flower, fruit and seed.

Internal Morphology—

(*a*) Plant cell.

(*b*) Stem, root and leaf.

Reproduction—

Vegetative reproduction.

Sexual reproduction—

(*a*) The flower . structure and functions.

(*b*) Pollination.

(*c*) The seed · development, structure, dissemination.

(*d*) The fruit: development, types functions.

(*e*) Germination.

Physiology : elementary study of the following :—

(*a*) Chemical composition of plants.

(*b*) Water in plants ; intake of water and inorganic salts.

(*c*) Carbon-assimilation.

(*d*) Transportation ; food storage.

(*e*) Transpiration.

(*f*) Respiration.

(*g*) Growth.

Rapid survey of the plant kingdom :—Bacteria, spirogyra, mucor, moss, fern, cycas.

Study of botanical characters of : (Field and garden crop plants should be used as far as possible)—Cruciferae, Malvaceae, Leguminoseae, Rosaceae, Cucurbitaceae, Compositaceae Solanaceae, Euphorbiaceae, Liliaceae, Gramineae.

Books recommended :—

1. Lawson and Sahni :—*Text book of Botany (Indian edition)*, (London University Tutorial Press or Thacker Spink and Company, Calcutta).
2. Percival .. Agricultural Botany (Duckworth).
3. Ranga Chari .. Elementary Botany for Indian Schools (Government Press, Madras).
4. Gager .. .. Fundamentals of Botany (Blakiston).
5. Transeau .. General Botany (World Book Company).
6. Farmer and Chowdhry Practical introduction to the Study of Botany (Longmans, Green and

II.—Zoology.

Acquaintance with the following types as illustrations of the various kinds of life :—

Tapeworm, Earthworm, Leech, Snail and Slug, Termite, Fish, Frog.

General organization of Earthworm, Fresh water mussel, Lobster and Cockroach.

Elementary, anatomy and physiology of the important systems of the following :—

Amphioxus, Fish, Frog, Fowl and Squirrel or other small mammal.

Books recommended.—

1. Theobald .. Agricultural Zoology (W. Blackwood).
2. Gilbert Bourne . Comparative Anatomy of Animals (G. Bell and Sons).
3. Marshall .. .. Physiology of Farm Animals (Macmillan, Calcutta).
4. Marshall and Hurst .. Practical Zoology (Smith Elder and Company).

GROUP III.

I.—ELEMENTARY SOIL SCIENCE.

Soil Geology.—The origin of soils ; classification and nature of soil forming rocks , recognition of the following rocks and their chief characteristics :—

(1) Igneous Granite ; Syenite , Diorite ; Biabase; Gabbro; Basalt.

(2) Sedimentary limestone; Sand stone; Shale; Dolomite

(3) Metamorphic Schists, Gneiss ; Marble; Slate; Quartzite.

The mineral constitutents of the more important soil forming rocks, their nature and composition.

The importance of Felspars in the formation of clay.

The nature of Kaolinite.

Acid and basic rocks and their effect upon soils formed from them.

The Physical properties of soils.—Pore space ; number of soil particles per given volume and their relation to surface area exposed to moisture and air, resistance to cultivation operations, plasticity, absorption, cohesion ; limits of moisture for successful tillage ; effect of presence of organic matter on soil structure ; effect of lime ; effect of cultivation ; sources of soil heat ; specific heat of the soil ; specific gravity apparent and absolute of the soil ; effect of colour on absorption of heat and of humus on conductivity of heat ; effect of decay of organic matter on soil temperature ; control of soil temperature.

Soil classes.—Classification of soils into sand, loam, clay, calcarious, humic and peaty soils and the nature of each class ; division of the United Provinces into its natural soil classes and the characteristics of each class.

Sources of Plant Food in the soil.—Elements necessary for plant growth and their sources ; abundant and deficiente lements in the soil ; conversion of organic matter into plant food, conditions necessary for bacterial activity in the soil ; the Nitrogen cycle briefly explained ; the relation of air, water and heat to plant food in the soil, the presence of lime and its importance to the production of plant food.

General Principles of manuring in relation to soils.—The effect of organic manures on the texture of soils, the correct time of application of manures in relation to irrigation and rain water ; losses of plant food by incorrect manuring ; losses by incorrect storage and the r

prevention; acidity and deflocation due to excessive and unsuitable manuring, remedies for this condition; condition of soil necessary before application of fertilisers can be profitable, the essential difference between organic manures and inorganic manures as regards effect on soils; methods of manuring both with organic manures and chemical fertilisers.

The following books are suggested for reference —

1. "The Soil," by A D Hall (John Murray, London).

2. "The Physical Properties of Soils," by A. G McCall (Orange Judd and Company, New York). Price about Rs 2-12.

3. "First Principle of Soils Fertility," by Alfred Vivian (Orange Judd and Company, New York; or Christian Book and Tract Society, Allahabad) Price Rs 2-7.

4 "Soils, their Properties and Management," by Lyon, Fippin and Buckman (Macmillan and Compnay, New York). Price Rs 10

5. "Soils and Fertilizers," by Harry Snyder (Macmillan and Company, New York)

Climatology —The distribution of rainfall, its effect upon the composition of soils; determination of humidity; factors affecting dew, changes in atmospheric temperature and their effect upon humidity, winds and their importance in farming, snow, ice and frost and their relation to the soil, methods of obtaining data for climatic reports, simple instruments used in meteorological observations; climate in relation to soil and plant growth.

The following books are suggested for reference —

1. "Agricultural Meteorology," by Warren Smith (Macmillan and Company, New York)

2 "Forecasting Weather," by W A Shaw (Constable and Company, London).

2. The Complete Farmer, by Premirose McCommell (Cassel and Company, London).

3 Roberts and Fawlkner : A Text-book of Punjab Agriculture.

4 Crop Production, by A. and G. Howard, Institute of Plant Industry, Indore, C. I.

II. Introduction to Animal Husbandry.—The course to deal with the draft bullock, the dairy cow and the goat. The naming of the different external parts; relation of form and function; ability to judge ages : Score-card methods of judging; measurement of speed of work of the draft bullock, the handling of bullocks, cows and goats; cleaning of animals and byres; milking; practice in preparation of balanced rations for dairy cow, bullock, young stock and goat; practice in watering and exercising, familiarity with the appearance and use of common medicines and antiseptics; ability to throw an animal with ropes, market value of dairy, draft cattle and goats, keeping of records of dairy cattle.

The following books are suggested for reference :—

1. "Feeding of Crops and Stock," by A. D. Hall.

2 "The Complete Farmer," by Premirose McCommell.

3. "Judging Live-stock," by John A. Craig (Kenyon Printing Company, Des Moines, Iowa). Price Rs. 7.

4 "Feeds and Feeding" (abridged edition), by Henry and Morrison. (Henry and Morrison, Madison, Wiscon.). Price Rs. 10

III. Farm Machinery.—Handling in the field of the plough, harrow, cultivator, roller and planker; ability to plough with desi, Mould Board and Disc ploughs; familiarity with the methods of hitching; adjustment of implements and methods of ploughing: familiarity with

the use of common seed-drills; weeding and cultivation with power and hand implements; grinding, cane crushing and fodder cutting.

The following books are suggested for reference:—

1. "Farm Mechanics," by Crawshaw and Leman (Manual Arts Press, Peoria, Illinois, U S A)

2. "Farm machinery and Farm Motors," by Davidson (Thacker, Spink and Company) Price, Rs. 11-8.

IV *Calculations.*—The following simple calculations to be noted in the student's note book. Field notes attested by the teacher to be produced at the examinations:—

(1) Time taken to plough, harrow, cultivate and plant one acre under the following conditions.—

Hard soil,
Soft soil,
Sod and
Stubble

(2) The variation in time taken in area ploughed with differences in depth and width of ploughing under similar conditions.

(3) The area sown with simple seed drills per day calculated from the work done in two hours; probabilities of error

(4) Quantity of work done in hand-weeding, harrowing, etc, per hour by a given number of labourers, in this case students

(5) Calculations of discharge of water from outlets, from irrigation channels and from irrigation appliances

(6) Estimation of loss by evaporation and seepage

(7) Estimation of area of land irrigated in a given time by irrigation appliances in common use, duty of water.

Why do wages differ? Grades of labour. Efficiency of labour. Real and nominal wages. Cost of living and the standard of living Relation of wages to the supply of labour. Relation of birth-rates and death-rates to income.

Organization and management.—In what different ways might wheat be prduced? Does the method depend upon situation? Wages? The rate of interest? Education? Quality of the product? How is the method actually determined? By whom?

Carry out this reasoning for milk and other common necessities

In what cases is it most profitable to use a railway, a bicycle and one's feet? Compare the uses of hand-writing, typewriting and printing press. Hand-sewing and the sewing machine. Why do primitive methods continue in use along with more advanced ones?

Money, banking and foreign exchange, barter, uses of money, reasons for minting and for free coinage, paper money and cheques. The work of banks and their economic importance. India's foreign trade and its advantages.

Taxation.—The necessity for taxation. The income-tax, custom duties, land revenue and excise. Who bears these taxes? Reasons for progressive taxation. Imperial and local taxation.

The following books are suggested for reference:—

1. Elements of Economics, Vol. I, by Alfred Marshall (Macmillan & Co., London).

2. An Introduction to Economics for Indian Students, by Moreland.

or

MATHEMATICS.

ALGEBRA :—Quadratic equations involving one or two unknown quantities.

Arithmetical and Geometrical Progressions.

Permutations and Combinations.

The Binomial Theorem for positive integral index.

Proportions and Variations

Use of indices and logarithms

Practical use of the slide Rule.

GEOMETRY AND MENSURATION:—Simple Plane and Solid Figures, excluding any detail about the sections of a cone.

Similar figures and proportionals.

Field book.

Collinear points and concurrent straight lines

TRIGONOMETRY —Trigonometrical Ratios

Easy trigonometrical identities and equations

Solution of triangles.

Practical measurement of angles of elevation, heights, distances, including the necessary calculations

GRAPHS —Variables and co-ordinates

Statistical graphs and those governed by a natural law.

Continuity and discontinuity of graphs Problems

Graphs and Algebraical expression of functions

The linear graphs

Use of Cartesian co-ordinates —Distance between two points. Distance between a straight line and a point

Angle between two straight lines.

The quadratic graphs.

Practical Graphical Interpolation.

INTEGRATION :—Small errors ; Infinitesimal quantities.

Differentials ; Differential coefficient.

Easy standard forms of differentiation explained (without elaborate proofs). Sum and product of functions.

Summation of series.

Integration, considered as summation of a series of differentials.

A few very easy standard forms of integrals (without elaborate proofs). Integration by parts.

Easy determinations of length, area and volume.

Practical use of the planimeter and the opisometer.

Maximum and Minimum marks assigned to the various subjects for the Examinations of 1933.

HIGH SCHOOL EXAMINATION

Maximum marks ..	150 in English and 100 in every other subject.
Minimum pass marks	50 in English and 33 in every other subject.

INTERMEDIATE EXAMINATION.

Maximum marks ..	150 in English and 100 in every other subject.
Minimum pass marks	50 in English and 33 in every other subject.

INTERMEDIATE EXAMINATION IN COMMERCE.

Maximum marks ..	100 in each subject.
Minimum pass marks	33 ditto

INTERMEDIATE EXAMINATION IN AGRICULTURE

Maximum marks ..	100 in groups I and II each, 150 in group III and 50 in groups IV and V each
Minimum pass marks	33 per cent. in each group.

DISTINCTION.

Minimum marks required	75 per cent of the aggregate marks in a subject

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DIVISION.

Minimum pass marks required for division I.	60 per cent in the aggregate
Minimum pass marks required for division II.	45 per cent in the aggregate.
Minimum pass marks required for division III.	33 per cent in the aggregate.

COURSES OF STUDY.

HIGH SCHOOL EXAMINATION OF 1933.

A.—COMPULSORY SUBJECTS.

I.—ENGLISH.

Three papers, each of three hours, will be set (1) on the prescribed course in Prose and Poetry with questions on Grammar and Idiom, (2) on Unseen Passages with questions on Grammar and Idiom; (3) passages in a Modern Indian Language for translation into English and a simple narrative or descriptive composition in English. There will be no oral test, but there will be an examination in English Dictation at each centre. In selecting passages for Dictation care will be taken to avoid passages of a highly abstract character.

Text-books prescribed :—

Group A.—

1 School Selections from Modern Prose, by Egerton Smith (K. and J. Cooper, Bombay). Re. 1.
2 Modern English Prose, by Brown (Macmillan).
3. New High School Prose Selections (National Press, Allahabad). Re. 1.

Group B.—

1. Paths of Peace, Book II, by Mrs. Laurence Binyon (Oxford University Press).
2 Forerunners, by H G. Rawlinson (Oxford University Press).
3. Romance of Indian History, Part III (Macmillan)

Group C.—

1. Indian Schools Book of Verse, Part II, from which the following poems are prescribed :— The Slave's Dream; The Plate of Gold;

The Honest Man; Incident of the French Camp, The Old Order Changeth; My Heart Leaps Up; Under the Greenwood Tree; Blow, Blow, Thou Winter Wind; The Burial of Sir John Moore; Abou Ben Adhem; The Brook; Ring Out Wild Bells.

2. High School Poetry (Revised edition), (Indian Press, Limited, Allahabad), from which the following poems are prescribed :—

The Burial of Sir John Moore, The last Minstrel; Jaffar, John Gilpin; Hohenlinden, How they Brought the Good News; Yussouf, The Deserted Village; The Ocean, An Evening Walk, The Poor, The Little Black Boy, The Mountain and the Squirrel, Frolic; A Consecration

3 Types of English Poetry, Part I (Macmillan & Co), annas 6, from which the following poems are prescribed —

Hymn to God, The Rainbow, Psalm of Life Shortness of Life; Patriotism, The Child's First Grief, The Beggarman; The Sailor Boy, The Ladder of St. Augustine; Home They Brought Her Warrior Dead, To the Cuckoo, Stanzas Written In His Library, Casabianca, The Village Blacksmith.

N.B—The above text books are arranged in three groups—A, B and C. Group A contains books of prose selections, Group B books of inspirational stories, and Group C books of poetry Every school must select for study one book only from each of the above groups

Books recommended for rapid reading and indicating the standard of the unseen passages to be set in the second paper —

1. Scott's Ivanhoe (Oxford University Press, abridged by Wren *or* Victory Series, Ram Narain Lal, Allahabad).

2. The Golden Deeds of India, First Series, by L. and H. G. D. Turnbull (Oxford University Press).
3. Tanglewood Tales (Longmans, Green & Co.).
4. Sakuntala (Longmans, Green & Co.).
5 Shakespeare in Prose (Blackie).
6. Stories from the Arabian Nights (Nelson).
7. Up from Slavery (H. G. Harrap).
8. Jungle Book (Macmillan).
9. A Persian Hero (Macmillan).
10. The Exploits of Brigadier Gerard (Oxford University Press).
11. Stories from Tagore (Macmillan).
12. Treasure Island (Oxford University Press).
13. Simple Chapters in English Life (Rai Sahib Gulab Singh & Sons, Lahore).
14. Stories from Shakespeare, by Wyatt (Oxford University Press).
15. The Little Duke (Indian Press School Classics).
16. Pioneers of Invention (George G. Harrap & Co).
17. Men of Science (George G. Harrap & Co.).
18. The Story of the Ramayana (Indian Press, Allahabad).
19. The Story of the Mahabharata (Indian Press, Allahabad).
20. Socrates in an Indian Village (Rupee edition, Oxford University Press).
21. Masterman Ready (Longmans, Green & Co.).
22. Legends from Greece and Rome (Victory Series).
23. Robinson Crusoe (Victory Series).
24 Tales from Indian History, by Roe (Macmillan).
25 Lamb's Tales from Shakespeare (Indian Press, Allahabad).
26. A Book of Stories (Ram Narain Lal, Allahabad).
27. In Other Lands (Uttar Chand Kapur, Lahore).

Recommended for use by students:—

The Little Oxford Dictionary.

II.—MATHEMATICS.

There will be two papers, each of three hours—one in Arithmetic and Algebra and the other in Geometry and Mensuration.

SYLLABUS.

(1) Arithmetic and Algebra.

The four simple rules, British and Metric systems of measurement, Factors, Prime numbers; H C F. and L. C. M; Decimal and vulgar fractions including conversion of a recurring decimal to a vulgar fraction and conversely; Square Root; Ratio and Proportion; Average; Percentages, Profit and Loss; Interest, simple and compound, Present Worth and Discount (true and commercial), Areas and volumes; Simple equations of one or more unknown quantities; Quadratic equations of one unknown quantity; Graphs of statistics; Graphs of straight lines and graphical solution of linear simultaneous equations, Problems

N B —*Candidates will be provided with squared paper, if necessary.*

(2) Geometry and Mensuration.

The course includes theoretical, practical and numerical Geometry, and every candidate will be expected to answer questions in both branches of the subject The questions on practical Geometry will be set on the constructions contained in the annexed Schedule A, together with easy extensions of them. All figures should be drawn accurately, for which purpose every candidate should provide himself with a graduated scale, a pair of set squares, a protractor, a compass and a hard pencil. The questions on theoretical Geometry will consist of theorems and problems contained in the annexed Schedules A and B, together with easy extensions and deductions with numerical illustrations. Any proof of a proposition will be accepted which appears to the

examiners to form part of a systematic treatment of the subject; the order in which the theorems are stated in Schedule B is not imposed as the sequence of their treatment. In the proof of the theorems hypothetical constructions will be permitted.

N B.—*Candidates will be provided with squared paper, if necessary.*

SCHEDULE A.

Bisection of angles and of straight lines.

Construction of perpendiculars to straight lines.

Construction of an angle equal to a given angle.

Construction of parallels to a given straight line.

Simple cases of the construction from sufficient data of triangles and quadrilaterals.

Division of straight lines into a given number of equal parts

Construction of a triangle equal in area to a given polygon.

Construction of tangents to a circle and of common tangents to two circles.

Simple cases of the construction of circles from sufficient data.

Construction of a rectangle equal to a given polygon.

Construction of a rectangle on a given base equal in area to a given rectangle.

Construction of a square equal to a given rectangle.

Construction of a rectangle of given area, the sum or difference of whose sides is given. (These constructions should be based on the propositions on the geometry of the circle.)

Construction of a fourth proportional to three given straight lines and a mean proportional to two given straight lines (as corollaries to previous constructions of rectangles).

Construction of regular figures of 3, 4, 6 or 8 sides in or about a given circle.

Mensuration of triangles and simple rectilineal figures; finding their area by means of field-book; application of formulae for length of circumference and for area of a circle in terms of its radius.

SCHEDULE B

Angles at a point.

If a straight line stands on another straight line, the sum of the two angles so formed is equal to two right-angles; and the converse.

If two straight lines intersect, the vertically opposite angles are equal

Parallel straight lines.

When a straight line cuts two other straight lines, if—

(i) a pair of alternate angles are equal, or

(ii) a pair of corresponding angles are equal, or

(iii) a pair of interior angles on the same side of the cutting line are together equal to two right-angles, then the two straight lines are parallel; and the converse

Straight lines which are parallel to the same straight line are parallel to one another

Triangle and rectilineal figures

The sum of the angles of a triangle is equal to two right-angles

If the sides of a convex polygon are produced in order, the sum of the angles so formed is equal to four right-angles

If two triangles have two sides of the one equal to two sides of the other, each to each, and also the angles contained by these sides equal, the triangles are congruent.

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Simple cases of the construction of circles from sufficient data.

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Construction of a square equal to a given rectangle.

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SCHEDULE B.

Angles at a point.

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Construction of regular figures of 3, 4, 6 or 8 sides in or about a given circle.

Mensuration of triangles and simple rectilineal figures, finding their area by means of field-book, application of formulae for length of circumference and for area of a circle in terms of its radius

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The sum of the angles of a triangle is equal to two right-angles.

If the sides of a convex polygon are produced in order the sum of the angles so formed is equal to four right-angles

If two triangles have two sides of the one equal to two sides of the other, each to each, and also the angle contained by these sides equal, the triangles are congruent.

In equal circles (or in the same circle), (i) if two chords are equal, they cut off equal arcs ; (ii) conversely, if two arcs are equal, the chords of the arcs are equal.

Equal chords in a circle are equidistant from the centre ; and the converse.

The tangents at any point of a circle and the radius through the point are perpendicular to one another.

If two circles touch, the point of contact lies on the straight line through the centres.

The angle which an arc of a circle subtends at the centre is double that which it subtends at any point on the remaining part of the circumference.

Angles in the same segment of a circle are equal, and if the line joining two points subtends equal angles at two other points on the same side of it, the four points lie on a circle.

The angle in a semi-circle is a right-angle, the angle in a segment greater than a semi-circle is less than a right-angle, and the angle in a segment less than a semi-circle is greater than a right-angle.

The opposite angles of any quadrilateral inscribed in a circle are supplementary ; and the converse.

If a straight line touch a circle and from the point of contact a chord be drawn, the angles which this chord makes with the tangent are equal to the angles in the alternate segments.

If two chords of a circle intersect either inside or outside the circle, the rectangle contained by the parts of the one is equal to the rectangle contained by the parts of the other.

The following books are suggested :—

For *Arithmetic*—

Workman, adopted by Sime and revised by Parkinson : A New Arithmetic for Indian Schools (R. S Gulab Singh and Sons, Lahore).

For *Algebra*—

1. Ross : Elementary Algebra, Part I (Longmans, Green & Co.).
2. Baker and Bourne · Elementary Algebra, Part I (G. Bell & Sons).
3. H. S Hall : School Algebra, Parts I and II (Macmillan & Co).

In *Geometry*—

1. Hall and Stevens A Shorter School Geometry, Parts I and II (Macmillan & Co).
2. Parkinson and Pressland · A Primer of Geometry (Clarendon Press, Oxford), (Indian edition). Re. 1-12.
3. Pierpoint's Elements of Geometry

III.—HISTORY

There will be two papers each of three hours :—

(i) Indian History and Allied Geography, and

(ii) English History and Allied Geography.

N. B.—Candidates are expected to draw free hand maps of India and Great Britain and Ireland

Indian History.

Indian History in outline from the earliest time to 1919.

The following syllabus is suggested .—

I.—The influence of Geography on Indian History

II.—Ancient India—

A.—Vedic period till 600 B C —

1. The Dravidians
2. The Aryan immigration
3. Character of culture—
   - (a) Vedic religion—outline.
   - (b) Vedic society—caste, woman,
   - (c) Literature—Veda (Brahman, Upanishad, Smriti)

B.—Buddhist period, 600—180 B.C.—

1. Life and teaching of Buddha.
2. Mauryas, Asoka.
3. Culture—
   (a) Dharma.
   (b) Government.

C.—Hindu period, 180 B.C.—650 A.D.—

1. Sungas, Kanvas, Andhras.
2. Yuechis, Kushanas Kanishka.
3. Guptas—Samudragupta, Chandragupta Vikaramaditya.
4. Harsha.
5. Culture—
   (a) Religion—Puranas, Epics, toleration.
   (b) Literature—Kalidasa.
   (c) Art—Ajanta, Amaravati.

D.—Rajput period, 650 A.D.—1200 A.D.—

1. The origin of Rajputs
2. Rajput Kingdoms, Chauhans, Chandels, Gaharwar (Rathor).
3. The South—Pandyas, Pawars, Cholas and Keralas.
4. The Deccan—Yadavas, Chalukyas, Rashtrakutas.

III.—Medieval India—

A.—Early medieval—

1. Life and teaching of Muhammad.
2. The Arab expansion.
3. The Turks and their kingdoms.
4. Turkish invasions—
   (a) Mahmud of Ghazni.
   (b) Muhammad Shahab-ud-din Ghori.

(c) The Slave kings—Balban and Mongol invasions.

(d) The Khiljis, Ala-ud-din and conquest of the south.

(e) The Tughlaks—Muhammad and Firoz—break up of early medieval empire

(f) Provincial principalities and invasions of Timur

(g) The Hindu Kingdoms of the south

(h) Culture

Religion—Kabir.

Literature—Growth of Modern Indian Languages.

B —Later medieval—

(a) 1 Sayyads and Lodis—Dissensions.

2 Babar and Humayun—Conquest and failure

3 Sher Shah

4 Akbar—Conquest and Consolidation

5 Jahangir, Shahjahan—Prosperity

6 Aurangzeb—
Religious quarrels.
Conquest of the south

7 Successors of Aurangzeb.
Decay of Empire

(b) Mahrattas—Shivaji—The struggle with the Mughals—The Peshwas up to 1761

(c) Sikhs—Nanak and Guru Govind Singh

(d) Early European settlements, 1600—1708

1. Portuguese—Discovery of the route from Europe to India

2. Dutch—Settlement in the Spice archipelago

3. English—Embassies to Mughal emperors and establishment of factories.

4. French—Establishment of factories.

(e) Culture—

Religions, Bhakti movement.

. Art—Taj.

Literature 1 Hindi —Tulsidasa, Surdasa, Rahim, Malik Muhammad Jaisi.

2. Urdu.

IV.—Modern India.

A.—1. Struggle between the Empire and the Mahrattas.

2. Break-up of the Empire and the establishment of Subedars.

3. Sikhs—Ranjit Singh.

4 Mahratta and other Indian States.

B.—1. Struggle of the European Powers. The French and the British (1700—1763).

2. Struggle between the English and Indian princes (1756—1774). Conquest of Bengal.

C.—British rule, 1774—1857—

1. Warren Hastings—

(i) Regulating Act.

(ii) Internal difficulties.

(iii) Wars with the Indian rulers.

2 Cornwallis—

(i) The permanent settlement.

(ii) Wars with Indian rulers.

3. Wellesley—

(i) The subsidiary alliance system.

(ii) The French rivalry.

(iii) Wars and expansion of British territory.

4. Minto—

Embassies to Asiatic Powers.

5. Hastings—Nepal war, Mahratta wars.
6. Bentinck—Reforms.
7. Auckland and Ellenborough—Afghan wars.
8. Hardinge—Punjab war.
9 Dalhousie—Completion of dominion.

D —British rule, 1857—1919—

(a) Wars and expansion—
1 Afghanistan
2. Burma.

(b) Internal developments—
1 Constitutional, 1861, 1892, 1909, 1919.
2 Local Self-Government.
3 Education
4 Justice
5. Administration.

(c) National movements—
1 Hindu reforms.
2 Muslim reforms.
3. Growth of Nationalism, Indian National Congress

The following books indicating the scope and standard of knowledge required are recommended :—

1. V. A. Smith : Oxford Student's History of India (Clarendon Press, Oxford) Rs. 2

2. R. D Banerji History of India (Blackie and Sons, London)

3. Thompson : History of India (Christian Literature Society, Madras)

4 Hoernle and Stark . A History of India (Orissa Mission Press, Cuttack).

5. Student's Atlas of Indian History (Macmillan).

6. Manmatha Nath Rai . History of India in Urdu and Hindi, second edition (Nand Kishore & Bros., Benares).

7. Ishwari Prasad : Students' History of India in Hindi and Urdu, second edition (The Indian Press, Allahabad).

8. Garrett, Manmohan and Sohan Lal : Historical *Atlas in Urdu (Rai Sahib Gulab Singh & Sons*, Lahore).

English History.

English History in outline from 1485 *A. D. to* 1914 *A. D.*

The following syllabus is suggested :—

I.—The influence of Geography on English History

II.—History of England 1485—1688—

A.—Introductory to 1485—

(*a*) Growth of Parliament.
(*b*) Evolution of commerce and industry.
(*c*) Social changes.
(*d*) Relations with European countries, especially France.

B.—Tudors, *1485—1603*—

(1) Monarchy and Parliament.
(2) Religious evolution.
(3) Growth of commerce.
(4) Discoveries and beginning of colonial and sea power.
(5) Relations with European Powers.

C.—Early Stuarts, 1603—1649—

(1) Monarchy and Parliament.
(2) Religion—Puritans and Anglicans.
(3) *Commercial and Colonial expansion.*
(4) Civil War.

D.—The Commonwealth, 1649—1660—

(1) Cromwell—

(a) Scotland and Ireland.
(b) European Powers, navigation laws.
(c) Religious—growth of Puritans.
(d) Parliament

E.—Latter Stuarts, 1660—1688—

(1) Parliament—

(a) Parties.
(b) Cabinet.

(2) Relations with European Powers—France and Holland.

(3) Colonial and Commercial expansion.

III.—Constitutional Government, 1688—1914—

A.—William and Mary and Anne, 1688—1714—

(1) Bill of Rights.
(2) Parliament—

(a) Whigs and Tories.
(b) Cabinet.

(3) Affairs of Ireland.
(4) Relations with European Powers and growth of Colonial Power.

B.—Early Hanoverians, 1714—1763—

(1) Walpole, Pitt.
(2) European wars.
(3) Colonial expansion.

C.—Latter Hanoverians, 1763—1830—

(1) Industrial Revolution.
(2) American Revolution.
(3) French Revolution, Wars with France.
(4) Ireland—Union.

D.—Rise of Democracy—

(1) 1830—1885—

(i) Reforms 1830, 1867, 1885, 1918.

(ii) Relation with Europe—
Crimean War, England and Russia.

(iii) Imperial development.

(2) 1885—1914—

(1) England and Russia.

„ „ Germany.

„ „ Empire.

(2) Ireland.

(3) Internal developments—

(a) Parliament.

(b) Commerce and industry.

N B.—*Students are expected to have a knowledge of " Representation of the People Act*, 1918."

The following books indicating the scope and standard of knowledge required are recommended :—

1 S. R. Gardiner : A School Atlas of English History (Longmans, Green & Co.).

2 Ed. J. S. Lay : The English People (Macmillan).

3. Oman : Junior History of England (Arnold).

4. S. R. Gardiner : Outline of English History (*Longmans, Green & Co.*)

5. T. F. Tout : A History of Great Britain, Book II (Longmans, Green & Co).

6 Kerr and Rushbrook Williams : Growth of the British Empire (Longmans, Green & Co.).

7. Macmillan's Atlas of the British Empire.

8. Guest, G : Outlines of British History (Oxford University Press, 1922). 2*s*. 6*d*.

9. Pupils' Study Book of English History by J. T. Mulley, Books II, III, and IV (by E. J. Arnold & Sons).

10. Raghu Kul Tilak. History of Modern England, Urdu and Hindi (Indian Press, Allahabad).

11. S. D Tripathi Shastri : History of the English People. Urdu and Hindi (Macmillan & Co.).

12. Ram Krishna Mathur. A Handbook of English History, (Hindi and Urdu versions). (S. S Mathur, Anand Pustakalaya, Cawnpore).

13 Shiva Chandra Kapoor : History of England (Urdu and Hindi), (Nand Kishore Bros., Benares).

14. Pran Nath Vidyalankar · History of England (Hindi), (Ganga Pustakmala Karyalaya, Lucknow).

15 J. Nelson Fraser : A First History of England English), (K and J Cooper, Educational Publishers, Bombay)

16. Brij Mohan Sharma History of England (Urdu), (Newal Kishore Press, Lucknow)

or

Geography.

There will be two papers, each of three hours' duration, as follows :—

Paper I.—General Geography of the World outside of India. (Sections I and II of the syllabus.)

Paper II —India and its world relations (Section III of the syllabus)

Syllabus.

I. (*a*) Shape of the Earth ; rotation and revolution ; duration of day and night ; the seasons Latitude and longitude. The commoner map projections, treated simply.

(*b*) Practical exercises based on simple contour maps. Outlines of the relief and drainage of the lands and study of the chief land-forms.

(c) The atmosphere. Study and measurement of temperature, pressure and rainfall as factors of weather. Climate. Seasonal distribution over the globe of temperature pressure and rainfall; study of wind-belts Ferrel's Law, Buys Ballots' Law, cyclones and anticyclones. Types of climate.

II. (a) The world treated according to its major natural regions. The knowledge of the principles of physical geography and of the geographical distributions should be applied to the study *in outline* of the major natural regions of the world.

(b) The influence of his environment on man, his activities, his industries; exchange of commodities; communications; growth of towns.

III. Geography of India in fuller detail. Its relations, physical and climatic, with contiguous areas; its commercial relations with the world in general.

Books recommended :—

Morrison : Our World (Macmillan). Rs. 2-8.

Stamp : The World (Longmans). Rs. 3.

Morrison : Junior Geography of India (Nelson). 12 annas.

Unstead and Taylor : Essentials of World Geography (Philip). 2*s*.

Fairgrieve and Young : The World (Philip). 2*s*. 6*d*. (For general reading.)

H. Pickles: India, World and Empire (Oxford). Rs. 2-12.

Wallis : Practical Exercises in Geography (Macmillan). 1*s*.

Fairgrieve and Young : Junior Contour Exercise Book (Philip). 9*d*.

Stamp : Geographical Exercise Books for India. Part I (Longmans). Annas 12.

Bartholomew : Indian School Atlas (Oxford Press). Re 1-6

Visual Contour Atlas (Philip). 1s. 4d.

Collins Clear Type Altas.

Books of reference for teachers :—

Brooks . The World (London University Press). 7s 6d

Herbertson (F D) . Clarendon Geographies. Vols. I and II. 4s each

Chisholm . Smaller Commercial Geography (Longmans). 5s.

Lyde . Man and His Markets (Macmillan). 3s.

Herbertson : Man and His Work (Black). 1s. 6d.

Davis : . Elementary Physical Geography (Ginn), 5s 6d

Skeat · Principles of Geography (Oxford Press). 5s. 6d.

Mill : The Realm of Nature (Murray). 5s.

Mackay . The Oxford Picture Geographies (Oxford Press). 2s 6d. each.

Lands and their Stories. Books I to VII (Blackie).

Peeps at Many Lands (Black). 2s. 10d. each.

The Indian Year Book (Times of India office, Bombay). Rs. 5-4

Goodchild: Geography and Man (Ram Narain Lal, Allahabad) Rs. 2.

Wallis : Macmillan's Geographical Exercise Books, Northern continents. 1s.

Wallis · Macmillan's Geographical Exercise Books, Southern continents. 1s.

Other books recommended for supplementary reading :—

				s.	d.
Lay : World Geography.	(Macmillan)	Book	I	1	0
	(,,)	,,	II	1	3
	(,,)	,,	III	2	3

IV.—MODERN INDIAN LANGUAGES.

There will be two papers, each of three hours, in each of these languages—one paper will be set in Prose Text and Unseen, and the other in Poetry Text and Composition. Grammatical questions will be set in both the papers. The ability of the Urdu candidates to read *Shikast* will be tested by means of a paper set for the purpose.

NOTE.—There shall be a passage in simple English prose for translation into a Modern Indian Language as a compulsory part of the examination in Modern Indian Languages.

The following are the text-books prescribed :—

Hindi.

Poetry :—1. अयोध्या काण्ड and जानकी मंगल and पार्वती मंगल of Tulsi Das (Text as in the Nagari Pracharini Sabha edition).

2. जयद्रथ वध by Maithili Saran Gupta (Sahitya Sadan, Chirgaon, Jhansi).

Prose :—Hindi prose selections by Professor Shyam Sundar Das (Indian Press, Allahabad).

Special attention should be paid to Hindi Composition. The following books are recommended for Grammar and Composition :—

1. रचना प्रबोध by Ram Ratna (Ratnasram, Agra).

2. संक्षिप्त हिन्दी व्याकरण by Kamta Prasad Guru (Nagari Pracharini Sabha, Benares).

3. High School Hindi Vyakaran, by Ganga Prasad (Rai Sahib Ram Dayal Agarwala, Allahabad).

Books recommended for supplementary reading :—

1. Harishankar Sharma. "Padya Prabha" (Ram Prasad and Bros., Agra).

2. Lakshman Singh "Shakuntala Natak" (Prose edition), (Indian Press, Ltd., Allahabad).

3. JagannathPrasad "Milinda" "Pratapa Pratijna" (Hindi Bhavan, Lahore).

4. D. Verma and G. Prasad. Hindi Prose Selections (Rai Sahib Ram Dayal Agarwala, Allahabad).

5. Ayodhya Nath. Ujjawal Tare" (Indian Press, Allahabad)

6. Gokal Chandra Sharma. "Nibandhadarsha" (Sahitya Bhavan, Ltd., Allahabad).

7. Jagannath Das "Harishchandra" (N. P. Sabha, Benares).

8. Deshvrat .. "Hindu Jati ka Swatantrya Prem" Gandhi Hindi Pustak Bhandar, Allahabad).

9. Chandra Shekhar Shastri "Viropakhyan" (Sahitya Bhawan, Limited, Allahabad).

N.B.—Students are expected to read *at least* two books recommended for supplementary reading in the above list.

Urdu.

Text prescribed.

قند اُردو. by Jalaluddin Ahmad (Anwar-i-Ahmadi Press, Allahabad), (revised edition 1926),

or

Khyaban Urdu (Indian Publishing House, Allahabad).

or

گلدستۂ ادب (Indian Press, Allahabad).

2. Nisab-i-Jadid, by Maulvi Mahdi Husain Nasiri (Anwar-i-Ahmadi Press, Allahabad).

IV.—MODERN INDIAN LANGUAGES.

There will be two papers, each of three hours, in each of these languages—one paper will be set in Prose Text and Unseen, and the other in Poetry Text and Composition. Grammatical questions will be set in both the papers. The ability of the Urdu candidates to read *Shikast* will be tested by means of a paper set for the purpose.

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The following are the text-books prescribed :—

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Poetry :—1. अयोध्या काण्ड and जानकी मंगल and पार्वती मंगल of Tulsi Das (Text as in the Nagari Pracharini Sabha edition).

2. जयद्रथ वध by Maithili Saran Gupta (Sahitya Sadan, Chirgaon, Jhansi).

Prose :—Hindi prose selections by Professor Shyam Sundar Das (Indian Press, Allahabad).

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1. रचना प्रबोध by Ram Ratna (Ratnasram, Agra).

2. संक्षिप्त हिन्दी व्याकरण by Kamta Prasad Guru (Nagari Pracharini Sabha, Benares).

3. High School Hindi Vyakaran, by Ganga Prasad (Rai Sahib Ram Dayal Agarwala, Allahabad).

Books recommended for supplementary reading :—

1.	Harishankar Sharma.	"Padya Prabha" (Ram Prasad and Bros., Agra).

2.	Lakshman Singh	"Shakuntala Natak" (Prose edition), (Indian Press, Ltd., Allahabad).
3.	JagannathPrasad "Milinda".	"Pratapa Pratijna" (Hindi Bhavan, Lahore).
4.	D. Verma and G. Prasad.	Hindi Prose Selections (Rai Sahib Ram Dayal Agarwala, Allahabad).
5.	Ayodhya Nath..	"Ujjawal Tare" (Indian Press, Allahabad).
6.	Gokal Chandra Sharma ..	"Nibandhadarsha" (Sahitya Bhavan, Ltd., Allahabad).
7.	Jagannath Das	"Harishchandra" (N. P. Sabha, Benares).
8.	Deshvrat ..	"Hindu Jati ka Swatantrya Prem" Gandhi Hindi Pustak Bhandar, Allahabad).
9.	Chandra Shekhar Shastri	"Viropakhyan" (Sahitya Bhawan, Limited, Allahabad).

N.B.—Students are expected to read *at least* two books recommended for supplementary reading in the above list.

Urdu.

Text prescribed.

قند اُردو. by Jalaluddin Ahmad (Anwar-i-Ahmadi Press, Allahabad), (revised edition 1926),

or

Khyaban Urdu (Indian Publishing House, Allahabad).

or

گلدستۂ ادب (Indian Press, Allahabad).

2. Nisab-i-Jadid, by Maulvi Mahdi Husain Nasiri (Anwar-i-Ahmadi Press, Allahabad).

SYLLABUS.

(a) Sanskrit.

Paper I—(a) *Text-books.*

1. Sanskrit *Manjari,* (*revised edition*) by *Pandit* Nilkamal Bhattacharya, (Nand Kishore & Bros., Benares) of which the following selections are prescribed :—

Numbers 2, 3, 4, 11, 12, 16,—23, 25, 35, 43 and 45.

2. संस्कृत परिचय by M. M. Giridhara Sarma (Motilal Banarsidas, Lahore).

NOTE.—The students should be taught to understand the passages, give their context and substance, and to learn the analysis of compounds, sandhis and the prose order of the poetry pieces.

(b) *Grammar.*—Simple sandhis and simple samasas. Declension of nouns and pronouns of frequent occurrence Conjugation in लट्, लङ्, लोट्, विधिलिङ्, and लृट्, of verbs of frequent occurrence of all classes (गण) except those of अदादि, रुधादि, क्र्यादि and जुहोत्यादि.

NOTE.—Questions on Grammar should be asked from the prescribed text books and books recommended for Grammar, and they should carry about one-third of the total marks of the paper.

Books recommended for Grammar :—

1. First and Second Book of Sanskrit, by Bhandarkar.
2. R. K. Banerjee's Sanskrit Grammar.
3. Sanskrit Teacher, by K. P. Trivedi.
4. Sanskrit Prathama Pustaka, by Professor Ram Bihari Lal, D. A.-V. College, Cawnpore.
5. Sanskrit Praveshika by Pandit Raja Ram, Professor, D. A.-V. College Lahore.
6. Upakramanikā, printed by Khadgavilās Press, Bankipore.
7. Vigyan Dipika, by Pandit Sadashiva Shastri.
8. Sanskrit Vyakarana Bodha, by Pandit Kanhaiya Lal Shastri (Rai Sahib Ram Dayal Agarwala, Allahabad).

Paper II. —Translation, Composition and Unseen :—

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into the vernacular of the candidate, and (*b*) translation of easy English or Hindi prose passage or sentences into Sanskrit

Books recommended for rapid reading and for composition :—

(1) सरल कथा तरङ्गिणी by Veda Vyas, M.A. (Messrs. Uttar Chand Kapur and Sons, Lahore).

(2) कुसुम संचय by वाचस्पति (Messrs. Frank Bros. & Co., Chandni Chawk, Delhi).

(3) A Manual of Sanskrit Composition, by Lalleram Tewari (National Press, Allahabad).

(4) प्रवेशिका संस्कृत रचनानुवाद शिक्षा by महामहोपाध्याय पण्डित रघुनन्दन त्रिपाठी साहित्याचार्य।

N.B.—Sanskrit must be written in Devanagri character.

(*b*) Arabic.

Prescribed course—

Paper—I(*a*)

عربي هائی إسكول كورس سنة ١٩٣٢ع

نثر

١ — الحكايات من نفحة اليمن

١ — قيل لما هرب موسى بن عمران
٢ — عن القاضي يحيى بن اكثم الى يستخدم ضيفه
٣ — قيل ان ملك الشام
٤ — قيل ان ملك الصين بلغه
٥ — قيل ان الحجاج خرج يوما
٦ — قيل ان بعض الحكماء لزم

SYLLABUS.

(a) Sanskrit.

Paper I.—(a) Text-books.

1. Sanskrit Manjari, (revised edition) by Pandit Nilkamal Bhattacharya, (Nand Kishore & Bros., Benares) of which the following selections are prescribed :—

Numbers 2, 3, 4, 11, 12, 16.—23, 25, 35, 43 and 45.

2. संस्कृत परिचय by M. M. Giridhara Sarma (Motilal Banarsidas, Lahore).

NOTE.—The students should be taught to understand the passages, give their context and substance, and to learn the analysis of compounds, sandhis and the prose order of the poetry pieces.

(b) *Grammar.*—Simple sandhis and simple samasas. Declension of nouns and pronouns of frequent occurrence. Conjugation in लट्, लङ्, लोट्, विधिलिङ्, and लृट्, of verbs of frequent occurrence of all classes (गण) except those of अदादि, रुधादि, क्र्यादि and जुहोत्यादि.

NOTE.—Questions on Grammar should be asked from the prescribed text books and books recommended for Grammar, and they should carry about one-third of the total marks of the paper.

Books recommended for Grammar :—

1. First and Second Book of Sanskrit, by Bhandarkar.
2. R. K. Banerjee's Sanskrit Grammar.
3. Sanskrit Teacher, by K. P. Trivedi.
4. Sanskrit Prathama Pustaka, by Professor Ram Bihari Lal, D. A.-V. College, Cawnpore.
5. Sanskrit Praveshika by Pandit Raja Ram, Professor, D. A.-V. College Lahore.
6. Upakramanikā, printed by Khadgavilas Press, Bankipore.
7. Vigyan Dipika, by Pandit Sadashiva Shastri.
8. Sanskrit Vyakarana Bodha, by Pandit Kanhaiya Lal Shastri (Rai Sahib Ram Dayal Agarwala, Allahabad).

Paper II —Translation, Composition and Unseen —

(*a*) Selected passages from books recommended for *rapid reading and from others of equal difficulty* for translation into the vernacular of the candidate, and (*b*) translation of easy English or Hindi prose passage or sentences into Sanskrit.

Books recommended for rapid reading and for composition :—

(1) सरल कथा तरङ्गिणी by Veda Vyas, M.A. (Messrs. Uttar Chand Kapur and Sons, Lahore).

(2) कुसुम संचय by वाचस्पति (Messrs. Frank Bros. & Co., Chandni Chawk, Delh).

(3) A Manual of Sanskrit Composition, by Lalleram Tewari (National Press, Allahabad).

(4) प्रवेशिका संस्कृत रचनानुवाद शिक्षा by महामहोपाध्याय पण्डित रघुनन्दन त्रिपाठी साहित्याचार्य ।

N.B.—Sanskrit must be written in Devanagri character.

(*b*) Arabic.

Prescribed course—

Paper—I(*a*)

عربي هائی اسکول کورس سنة ۱۹۳۲ع

نثر

۱ — الحكايات من نفحة اليمن

۱ — قيل لما هرب موسى بن عمران
۲ — عن القاضي يحيى بن اكثم الى يستخدم صيفه
۳ — قيل ان ملك الشام
۴ — قيل ان ملك الصين بلغه
۵ — قيل ان الحجاج خرج يوما
۶ — قيل ان بعض الحكماء لزم

۱۸ — قد كنت ميتاً فصرت حيا
۱۹ — تغرب عن الاوطان فى طلب العلى
۲۰ — تمنى رجال ان اموت و ان امت
۲۱ — الموت لا والدا يبقى ولا ولدا
۲۲ — و فى الجهل قبل الموت موت لاهله
۲۳ — لئن ساء نى دهر فقد سرنى دهر
۲۴ — جميع فوائد الدنيا غرور
۲۵ — تو مل فى الدنيا طويلا ولا تدری
۲۶ — كثير المال ليس له عواد
۲۷ — العلم دين فكن للعلم مكتسبا
۲۸ — لا تصنع المعروف فى ساقط
۲۹ — لا تجز عن اذا نابك نائبة
۳۰ — دع الحرص على الدنيا
۳۱ — لك الحمد يا ذالجود والمجد والعلى
۳۲ — لايتبخلن بدنيا وهى مقبلة
۳۳ — جزى الله عنا الموت خيرا فانه
۳۴ — رضينا قسمة الجبّار فينا
۳۵ — لا تكثرن القول فى غير وقته
۳۶ — اخاف و ارجو عفوه و عقابه
۳۷ — قضى الله امراً و جف القلم
۳۸ — تنزه عن مصادقة اللئام

۲ — من ديوان ابى العتاهيه

۱ — ان الطبيب بطبه و دوائه
۲ — الا نحن من دار القليل بقاؤها
۳ — نصيب لنا دون الكفر يا دنيا
۴ — لاعذرلى قد اتى مشيب
۵ — لقد نعيت و جدالموت فى طلبى
۶ — لد و للموت و ابنوا للخراب
۷ — ما للمقابر لا تجيب
۸ — الا كل ما هو آت قريب
۹ — اين المفر من القضاء

١٠ — اليس قريباً كل ما هو آت

١١ — خليلى ان الهم قد يتفرج

١٢ — لاح شيب الراس منى فاتضح

١٣ — الا انما كلها بائد

١٤ — فمالك ليس يعمل فيك وعظ

٣ — من ديوان الحماسة

قال يزيد بن الحكم يعظ ابنه بدرا

يا بدر والا مثال يضر بهالذى اللب الحكيم

(*b*) *Grammar.*—1. Mabadi-ul Arabia by Shartuni, Urdu edition (edited by Maulvi Izzat Ullah (the Majidi Press, Cawnpore).

2. الزنجاني فى الصرف
3. الضريرى فى النحو

N.B—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Paper II.—Translation, Composition and Unseen :—

(*a*) Selected passages for translation into Urdu (Books recommended for supplementary reading indicate the standard of the passages to be set).

(*b*) Translation of English prose into Arabic.

Book recommended for supplementary reading.—

مدارج القراة (Anwar Ahmadi Press, Allahabad).

NOTE.—Arabic words must be written in Arabic character.

(*c*) Persian.

Prescribed course—

Paper I.—(*a*) *Text* :—

Prose.

1. Gulistan :—

(الف) سبب تاليف كتاب - يكشب تامل ايام گذشته مي كردم .... مانده بود كه كتاب گلستان تمام شد -

(ب) باب اول — در سیرت بادشاهان :—

(۱) حکایت اول - بادشاهی را شنیدم که بکشتن اسیرے .... جز نکو گوید -

نصیحت برطاق ایوان فریدون .... بر روے خاک -

(۲) حکایت دوم - یکے از ملوک خراسان .... فلان نماند -

(۳) حکایت سوم - ملکزادہ را شنیدم .... در بند اقلیمی دگر -

(۴) حکایت چہارم - طائفۂ دزدان عرب .... بجاے نیک مردان -

(۵) حکایت پنجم - سرهنگ زادہ را .... که آفتاب سیاہ -

(۶) حکایت ششم - یکے را از ملوک عجم .... زبردستي روزگار -

(۷) حکایت هفتم - بادشاهی باغلام عجمی .... اعراف بہشت است -

(۸) حکایت هشتم - یکے از ملوک عجم .... حذر بکنید -

(۹) حکایت نہم - هرمز را گفتند .... چشم پلنگ -

(۱۰) حکایت دهم - ببالین تربت .... نہند آدمی -

(۱۱) حکایت یازدهم - درویشے مستجاب .... مردم آزاري -

(۱۲) حکایت دوازدهم - یکے از ملوک .... مردہ بہ -

(۱۳) حکایت سیزدهم - یکے را از ملوک شنیدم .... گرد آیند -

(۱۴) حکایت چاردهم - یکے از بادشاهان .... در عالم -

(۱۵) حکایت پانزدهم - یکے از وزرا .... نیآ زارد -

مثل سیاہ گوش را .... ندیمان نگزار

(۱۶) حکایت شانزدهم - یکے از رفیقان .... سوراخ کژدم -

(۱۷) حکایت هفتدهم - تنے چند از روندگان .... بی بر سنگ -

(۱۸) حکایت هجدهم - ملک زادہ گنج .... نکو گذاشت -

(۱۹) حکایت نوزدهم - آوردہ اندکہ .... مرغ بسیخ -

(۲۰) حکایت بستم - عاملے را دیدم .... مردم آزار -

باز آمدیم بحکایت .... لعنت پائدار -

(۲۱) حکایت بست و یکم - مردم آزارے .... مغزش برآر -

(۲۲) حکایت بست و دوم ـ یکے را از ملوک .... پاے پیل ـ
(۲۳) حکایت بست و سوم ـ یکے از بندگان .... نشستی ـ
(۲۴) حکایت بست و چہارم ـ ملک زوزن .... اهل خرد ـ
(۲۵) حکایت بست و پنجم ـ یکی از ملوک عرب .... آستان دارد ـ
(۲۶) حکایت بست و ششم ـ ظالمے را .... بہم برکند ـ لطیفهٔ برتاج .... بخواهد رفت
(۲۷) حکایت بست وهفتم ـ یکے در صنعت .... نشانه نکرد ـ
(۲۸) حکایت بست و هشتم ـ درویشے مجرد .... دست بدست ـ
(۲۹) حکایت بست و نہم ـ یکے از وزرا .... ملک بودے ـ
(۳۰) حکایت سي ام ـ بادشاهے بکشتن .... برخاست ـ
(۳۱) حکایت سي یکم ـ وزراے نوشیں روان .... پرویں ـ
(۳۲) حکایت سي و دوم ـ شیادے .... کسل کند ـ
(۳۳) حکایت سي و سوم ـ یکے از پسران .... باطل نگوید ـ
(۳۴) حکایت سي و چهارم ـ باطائفه بزرگان .... کارها باشد ـ
(۳۵) حکایت سي و پنجم ـ دو برادر .... دوتا ـ
(۳۶) حکایت سي و ششم ـ کسے مژده .... جاودانی نیست ـ
(۳۷) حکایت سي و هفتم ـ گروهے حکما .... گذاہ است ـ
(۳۸) حکایت سي وهشتم ـ هارون‌الرشید الخ ـ Omitted ـ
(۳۹) حکایت سي و نہم ـ یکے را از سلوک الخ ـ Omitted ـ
(۴۰) حکایت چہلم ـ اسکندر رومي .... پائدار ـ

باب چہارم ـ درفوائد خاموشي

(۱) حکایت اول ـ یکے از دوستان .... موشک کور ـ
(۲) حکایت دوم ـ بازرگاني .... شادي کذان ـ
(۳) حکایت سوم ـ جواني خردمند .... دلایلش بیار ـ
(۴) حکایت چہارم ـ عالمی معتبر ـ Omitted .... ـ
(۵) حکایت پنجم ـ جالینوس .... نداني ـ
(۶) حکایت ششم ـ سحبان .... وہس ـ
(۷) حکایت هفتم ـ یکے را از حکما .... خموش ـ

(۸) حکایت هشتم ـ تنی چند .... یافت ـ
(۹) حکایت نہم ـ در عقد .... ارزد ـ
(۱۰) حکایت دهم ـ یکی از شعرا .... درمی چند ـ
(Instead of اینچه .... مرد مانند
read این چه مرد مانند)
(۱۱) حکایت یازدهم ـ منجمی الخ ـ Omitted ـ
(۱۲) حکایت دوازدهم ـ خطیبی .... عیب خویش ـ

2. دوم ذیقعده from (سفر انگلستان) سفرنامهٔ ناصرالدین شاہ
to روز دوشنبه اینها می رقصیدند

3. Anwar Suhaili انوار سهیلی by حسین واعظ کاشفی ـ
Chapter I up to جان من خود کردهٔ خود کرده را تدبیر نیست

Poetry.

۱ ـ بوستان

باب اول ـ در عدل و رای و تدبیر جهانداری ـ
(۱) نگنجد کرمهای .... بندهٔ حق گزار ـ
(۲) حکایت ـ یکی دیدم .... پسند آیدش ـ
(۳) پند دادن کسری هر مزرا ـ شنیدم که .... باشی بسی ـ
(۴) پند دادن خسرو شیرویه را ـ شنیدم که خسرو ....
مردم دریغ ـ
(۵) حکایت ـ چه خوش .... بست هست ـ
(۶) حکایت شنیدم که شاپور .... بادهٔ بست ـ
(۷) حکایت در تدبیر بادشاهان و تاخیرکردن درسیاست ـ
ز دریای .... چندین ملک
Lines پشیمان شوی .... ملک را دو خورشید omitted
(۸) گفتار ـ نه بر حکم .... بر نکرد ـ
(۹) حکایت در معنی شفقت بر رعیت شنیدم که
فرماندهی .... زمین ـ
(۱۰) حکایت ـ شنیدم که جمشید .... در گردنت ـ
(۱۱) حکایت ـ شنیدم که دارای .... کم بود ـ
(۱۲) گفتار ـ تو کی بشنوی .... خواهی بگوی ـ
(۱۳) حکایت خبر یافت .... داد خواست ـ

(۱۴) حکایت - از بزرگان .... بن سعد راست
(۱۵) حکایت - اتابک مرحوم تکله بن زنگی رحمة‌الله تعالی - در اخبار .... داشتند -
(۱۶) حکایت - شنیدم که بگریست .... تا کشتن -
(۱۷) حکایت - خدا دوست نامی .... بند و گوش -
(۱۸) گفتار - بها زورمندی .... درگذشت -
(۱۹) حکایت درمعنی رحمت برناتوان درحال توانائی - چنان قحط‌سالی .... در بوستان -
(۲۰) حکایت - شبی دود .... سخن ندروی -
(۲۱) گفتار - خورداری .... نگرید کست -
(۲۲) حکایت - شنیدم که در مرزی .... ظلم جست -
(۲۳) حکایت - یکی بر سر شاخ .... ز سعدی شنو -
(۲۴) صفت جمعیت اوقات درویش راضی - مگو جاهی .... شناخت -
(۲۵) حکایت - شنیدم که یکبار .... آید بگوش -
(۲۶) در معنی نکوکاری و بدکاری و عاقبت آن - نکو کار مردم .... به پیش -
(۲۷) حکایت - گربزی .... چشم‌دار -
(۲۸) حکایت - حکایت کنند از یکی .... قیامت بماند -
(۲۹) حکایت - یکی پند می داد .... لاغران - مع گفتار - الا تا .... مرض -
(۳۰) حکایت درین معنی - یکی را حکایت .... برخاستست -
(۳۱) گفتار - جهان ای پسر .... گذاشتند -
(۳۲) حکایت شنیدم که در مصر .... بالین گور -
(۳۳) حکایت قزل ارسلان .... کس است -
(۳۴) حکایت - چنین گفت .... پری -
(۳۵) حکایت - چو الب ارسلان .... ده خداست -
(۳۶) حکایت درگی جفا پیشه .... اشارت بس است -
Line پست .... چوبام omitted
(۳۷) حکایت - شنیدم که از نیکمردی .... خاتمت -
(۳۸) حکایت - یکی مشت زن .... زر نداشت -

(۳۹) حکایت ـ حکایت کنند از جما .... مستجاب ـ
(۴۰) گفتار ـ همی تا برآید .... در حلقهٔ کارزار ـ
(۴۱) گفتار ـ اندر نواخت لشکریان ـ دلاور .... کارزار ـ
(۴۲) گفتار ـ به پیکار .... مصافش نگشت ـ
(۴۳) حکایت ـ چه خوش گفت .... غنیمت شمار ـ
Line اگر چون .... رز omitted
(۴۴) گفتار ـ دو تن‌پرور ـ
Line زن .... تلمذن omitted
(۴۵) گفتار ـ میان دو بد حواه .... به آرام دل ـ
(۴۶) گفتار ـ اندر ملاطفت دشمن از روی عاقبت اندیشی ـ
چو شمشیر .... شبیخون بری ـ
(۴۷) گفتار ـ اندر حذر کردن از دشمنی که در طاعت آید ـ گرت خویش .... پیش برد ـ

باب دوم در احسان
(۱) اگر هوشمندی .... در مران ـ
(۲) گفتار اندر نواختن یتیمان و رحمت بر حال ایشان ـ پدر مرده .... سر برفتم پدر ـ
(۳) حکایت در ثمر نکو کاری ـ کسی دید در خواب .... پیغمبران ـ
(۴) حکایت در اخلاق پیغمبران ـ شنیدم که یکهفته .... یک زمان ـ
Lines (1) پرست .... بگفتا نگیرم and (2) حال .... بدانست omitted
(۵) گفتار اندر احسان با مردم نیک و بد ـ گره بر سر .... خرد ـ
(۶) حکایت عابد باشیان شوخ دیده ـ زباندانی .... سعدی بگوش ـ
Line در نزد .... خود از کوه omitted
(۷) حکایت پدر ممسک و پسر جوانمرد ـ یکی وقت .... حسیب ـ
(۸) مثل ـ بدختر چه خوش .... لاغر شوی ـ

(۹) باز آمدم بحکایت فرزند خلف .... بوی -

(۱۰) حکایت اندر راحت رسانیدن همسایگان - بزارید .... علیست -

(۱۱) حکایت شنیدم که مردے .... بهر منزلے -

(۱۲) حکایت - بسرهنگ .... تمیز -

(۱۳) حکایت کریم تنگدست باسائل - یکے را کرم .... چه باک -

(۱۴) حکایت در معنی احسان - یکی در بیابان .... زبردست -

(۱۵) حکایت - بنالید درویشے .... زیر شد -

(۱۶) حکایت یکے سیرت .... کسی ست -

(۱۷) گفتار اندر جوانمردی و ثمرۂ آن - ببخش ای پسر .... دوست -

(۱۸) حکایت در معنی صید کردن دلها با احسان - ره در یکے .... دو روز -

(۱۹) حکایت درویش با روباه - یکے روبهی .... بخلق خدات -

(۲۰) حکایت عابد بخیل - شنیدم که مردیست .... سست -

(۲۱) حکایت حاتم‌طائی و صفت جوانمردی وی - شنیدم در ایام .... ماجراے شنو -

(۲۲) حکایت در آزمودن بادشاه یمن حاتم را بآزاد مردی ندانم که گفت .... هم‌چند -

(۲۳) حکایت در آزات مردی حاتم و ذکر بادشاه اسلام - زبنگاه حاتم .... ز سعدی سخن -

(۲۴) حکایت در علم بادشاهان - یکے را خرے .... من اسا - زن .... یکے گفت Line omitted -

(۲۵) حکایت توانگر سفله و درویش صاحبدل - شنیدم که مغرورے .... و زان نه آز -

(۲۶) گفتار - الا گر طلبگار .... هدف -

(۲۷) حکایت - یکے را پسر .... خارها -

2. Aiynai Sikandari, by Khusru خسرو

(*a*) Ode گر آسائشے خواهی از روزگار up to
طرب مایهٔ زندگانی بود

(*b*) Ode اگر دانشے داری اے بیک راے up to
که خواهد شدن منزل دیگرے

3. رباعیات عمر خیام beginning with the following lines.—

(۱) عشاق بدرگهت اسیرند بیا
(۲) مرد آن نبود که خلق خوارند او را
(۳) خرم بتو داشتم دل پُر غم را
(۴) عاقل بچه اُمید درین شوم سراے
(۵) اے خواجه یکے کام روا کن ما را
(۶) اے دل ز زمانه رسم احسان مطلب
(۷) چون کار نه بر مراد ما خواهد رفت
(۸) هر کو ورقے ز عقل در دل بنگاشت
(۹) امروز ترا دسترس فردا نیست
(۱۰) سر از همه ناکسان نهان باید داشت
(۱۱) هر دل که درو مهر و محبت بسرشت
(۱۲) هرگه که غمے ملازم دل شودت
(۱۳) درچشم محققان چه زیبا چه زشت
(۱۴) بسیار بگشتیم بگرد در و دشت ـ اندر همه الخ
(۱۵) ایضا یک کار من الخ
(۱۶) هر سبزه که برکنار جوئے رستست
(۱۷) آن به که درین زمانه کم گیری دوست
(۱۸) چندین غم مال و حسرت دنیا چیست
(۱۹) چون مردن تو مردن یکبارگی است
(۲۰) هشدار که روزگار شورانگیز است
(۲۱) با دشمن و دوست فعل نیکو نیکوست
(۲۲) اے دل چو نصیب تو همه چون شدنست
(۲۳) بتخانه و کعبه خانهٔ بندگی است
(۲۴) گل گفت به از لقاے من روے نیست

NOTE.—Obscene portions in the text-books are omitted.

(۲۸) حکایت ـ زتاج ملکزادهٔ .... ظریف ـ
(۲۹) حکایت احسان اندک و ثمرهٔ آن بے نہایت ـ جوانی بدانگی .... ندانندهم ـ
(۳۰) حکایت در معنی ثمرهٔ نیکو کاری ـ کسی دید .... سایه در ـ
(۳۱) گفتار اندر هیبت ملوک و سیاست ـ به گفتیم در باب .... و داد ـ
(۳۲) گفتار در معنی احسان با کسی که سزاوار نباشد ـ شنیدم که مردے .... زاهراس ـ
(۳۳) گفتار ـ چه خوش گفت .... تدبیر راے ـ

باب ششم در قناعت

خدا را ندانست .... تیرش خوری ـ

باب هفتم در تربیت

(۱) سخن در ـ بندن کسی تا گفتار اندر فضیلت خاموشی .... سوختست ـ
(۲) حکایت در حفظ اسرار ـ نگش با غلامان .... دم مزن ـ
(۳) حکایت ـ سلامت جاهل در حجاب خاموشی ـ یکے خوب خلق و .... مباش ـ
(۴) حکایت ـ یکی ناسزا .... معزم برند ـ
(۵) حکایت ـ عضد را .... مشغول باش ـ

باب هشتم در شکر

(۱) حکایت جوان سر .... نگوش مع گفتار اندر صنع باری .... سپاس ـ
(۲) حکایت ـ نبرد ازماے .... به هیچ مع گفتار اندر نظر .... میروی ـ

باب نهم در توبه

(۱) بیا اینکه عمرت .... فرصت شمار ـ
(۲) حکایت ـ شبی در جوانی .... نگور ـ
(۳) حکایت کهن سالی .... روزگار ـ
(۴) گفتار جوانا ره .... بخیز ـ

باب دهم در مناجات

بیا تا بر آریم .... نیند ار دم ـ

2. Aiynai Sikandari, by Khusru خسرو

(a) Ode گر آسایشے خواهي از روزگار up to طرب مایه زندگاني بود

(b) Ode اگر دانشے داري اے نیک راے up to که خواهد شدن منزل دیگرے

3. رباعیات عمر خیام beginning with the following lines :—

(۱) عشاق بدرگهت اسیرند بیا
(۲) مرد آن نبود که خلق خوانند او را
(۳) خرم بتو داشتم دل پُر غم را
(۴) غافل بچه اُمید درین شوم سراے
(۵) اے خواجه یکے کام روا کن ما را
(۶) اے دل ز زمانه رسم احسان مطلب
(۷) چون کار نه بر مراد ما خواهد رفت
(۸) هر کو ورقے ز عقل در دل بنگاشت
(۹) امروز ترا دسترس فردا نیست
(۱۰) سر از همه ناکسان نهان باید داشت
(۱۱) هر دل که درو مهر و محبت بسرشت
(۱۲) هرگه که غمے ملازم دل شودت
(۱۳) درچشم محققان چه زیبا و چه زشت
(۱۴) بسیار بگشتیم بگرد درو دشت – اندر همه الخ
(۱۵) ایضا یک کار من الخ
(۱۶) هر سبزه که برکنار جوئے رستست
(۱۷) آن به که درین زمانه کم گیري دوست
(۱۸) چندین غم مال و حسرت دنیا چیست
(۱۹) چون مردن تو مردن یکبارگي است
(۲۰) هشدار که روزگار شورانگیز است
(۲۱) با دشمن و دوست فعل نیکو نیکوست
(۲۲) اے دل چو نصیب تو همه خون شدنست
(۲۳) بتخانهٔ و کعبه خانهٔ بندگي است
(۲۴) گل گفت به از لقاے من روے نیست

NOTE.—Obscene portions in the text-books are omitted.

(b) *Grammar.*— قواعد فارسی عملی by Maulvi Ishaq Ali (Indian Press, Allahabad) or جامع القواعد by Azad (R. S. Gulab Singh and Sons, Lahore).

Paper II —Translation, Composition and Unseen :—

(a) Selected passages for translation into Urdu (Books recommended for supplementary reading indicate the standard of the passages to be set) ; (b) an easy composition exercise in Persian ; and (c) translation of English prose into Persian.

Books recommended for supplementary reading :—

(1) عیار دانش

(2) گلدستہ دانش (Anwar-i-Ahmadi Press, Allahabad).

(3) فارسي جدید حصہ دوم by Maulvi Muhammad Ali Irani.

Students who offer Persian are required to have such a knowledge of the etymology of the Arabic language as will enable them to explain all Arabic words and phrases, which may occur in the text-books and in the books recommended for rapid reading in Persian.

NOTE —Persian words must be written in Persian character.

(d) Latin.

Paper I.—(a) Prescribed Prose and Poetry.

Text-books—

1. Caesar · De Bello Gallico, Book IV.
2. Livy : Hannibalian War, Selections from Books XXIII and XXIV (Macmillan).
3. Virgil : Æneid, Books II and IV.

(b) *Grammar.*—Gildersleeve's Latin Grammar or Allen's Latin Grammar is recommended.

N.B.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Paper II.—Translation, Composition and Unseen :—

Composition will include translation into Latin of easy English sentences and also of a simple passage of continuous English Prose.

Book prescribed—

Junior Latin Composition, by J. Mathewson Milne (Harrap & Co.)

II.—COMMERCE.

The examination will consist of two papers each of three hours : (*a*) one paper on Business or Commercial Practice, and (*b*) one paper on either (i) Typewriting or (ii) Book-keeping.

The following is the syllabus in each subject :—

Business or Commercial Practice.

Office routine. Drafting simple business and official letters ; preparation of telegrams and cablegrams, including a knowledge of simple codes. Docketing, filing, copying and despatch of letters. Ordinary postal regulations, use of postal forms such as Money Order, V.-P.P., Acknowledgment, Registration and Insurance forms, Post Office Savings Bank Accounts. Telephone. Simple duplicating and other labour-saving appliances.

Meaning of ordinary commercial terms and abbreviations. Preparation of simple commercial documents such as indents, invoices, bills of exchange, promissory notes, statements of account. Nature and use of Bills of Lading, and railway receipts. Simple banking transactions, involving the nature and use of cheques, deposit-slips and pass books.

Books recommended :—

1. Extracts from Business Methods and Correspondence, by Arthur Fieldhouse.

2. Commercial Practice, by Roop Ram Gupta and K. L. Govil, Part I (Messrs. Gautama Bros. & Co., Cawnpore).

Typewriting.

There will be no practical examination on the typewriter, but only a theory paper of two hours' duration involving questions on—

*(a) the mechanical construction of the typewriter;

(b) care of the machine;

(c) display of matter, including headings and titles; centering; contractions and abbreviations; hyphenation; punctuation; stencil cutting; adaptation of one or more characters to represent characters not given on the keyboard; corrections; erasures.

There will also be a second paper of one hour's duration, consisting of type-copying of three manuscripts.

Book recommended :—

Pitman's or Remington's Typewriting Manual.

Book-keeping.

Elementary theory of double entry book-keeping. Preparation and keeping of the Cash Book, Bought and Sold Books, Returns Books, Bills Receivable and Bills Payable Books, Journal and Ledger; recording therein simple transactions involving purchases and sales; bills receivable and payable, real, personal and nominal accounts, such as rent, salaries, interest, discounts, bad debts and depreciation. Drawing up the Trial Balance.

* Questions on the mechanism of the typewriter will be of a general nature, so that students who are acquainted with the mechanism of any of the more popular typewriting machines will be able to answer the questions (*vide* G. L. no. B-2773/VI—3, dated September 5, 1924, from the Secretary of the Board).

Closing the Ledger and preparing Trading and Profit and Loss Accounts and Balance-sheet. Simple banking transactions involving the nature and use of cheques, deposit slips and pass book, and preparation of Bank Reconciliation Statements The nature and use of Bills of Exchange and Promissory Notes. Petty Cash and Imprest Systems.

Book recommended :—

Elementary Book-keeping, by Arthur Fieldhouse (Simpkin, Marshall & Co., Limited, London, E C. 4).

III.—SCIENCE (PHYSICS AND CHEMISTRY).

The examination will consist of two papers—one in Physics and one in Chemistry, each of three hours.

Physics.

SYLLABUS.

Definition of Physics, measurements of length, area, volume, mass and weight. The balance. Density, specific gravity. Principle of Archimedes. The three states of matter. Pressure of air, simple barometer.

Heat.—Expansion of solids, liquids and gases, temperature, thermometers, maximum and minimum thermometers, clinical thermometer, melting and boiling points, conduction, convection and radiation thermos-flask, Unit of heat, specific heat, change of state, latent heat. Easy calculations.

Light.—Rectilineal propagation of light. Reflection, refraction, plane, concave, convex mirrors, concave and convex lenses and prisms. Position of object and image with easy calculations. Dispersion.

Magnetism.—Attraction and repulsion, magnetization, terrestrial magnetism, magnetic meridian. The compass.

2. Commercial Practice, by Roop Ram Gupta and K. L. Govil, Part I (Messrs. Gautama Bros. & Co., Cawnpore).

Typewriting.

There will be no practical examination on the typewriter, but only a theory paper of two hours' duration involving questions on—

*(a) the mechanical construction of the typewriter;

(b) care of the machine;

(c) display of matter, including headings and titles; centering; contractions and abbreviations; hyphenation; punctuation; stencil cutting; adaptation of one or more characters to represent characters not given on the keyboard; corrections; erasures.

There will also be a second paper of one hour's duration, consisting of type-copying of three manuscripts.

Book recommended :—

Pitman's or Remington's Typewriting Manual.

Book-keeping.

Elementary theory of double entry book-keeping. Preparation and keeping of the Cash Book, Bought and Sold Books, Returns Books, Bills Receivable and Bills Payable Books, Journal and Ledger; recording therein simple transactions involving purchases and sales; bills receivable and payable, real, personal and nominal accounts, such as rent, salaries, interest, discounts, bad debts and depreciation. Drawing up the Trial Balance.

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III.—SCIENCE (PHYSICS AND CHEMISTRY).

The examination will consist of two papers—one in Physics and one in Chemistry, each of three hours

Physics.

SYLLABUS.

Definition of Physics, measurements of length, area, volume, mass and weight. The balance. Density, specific gravity. Principle of Archimedes. The three states of matter. Pressure of air, simple barometer.

Heat.—Expansion of solids, liquids and gases, temperature, thermometers, maximum and minimum thermometers, clinical thermometer, melting and boiling points, conduction, convection and radiation. thermos-flask, Unit of heat, specific heat, change of state, latent heat. Easy calculations.

Light.—Rectilineal propagation of light. Reflection, refraction, plane, concave, convex mirrors, concave and convex lenses and prisms. Position of object and image with easy calculations. Dispersion.

Magnetism.—Attraction and repulsion, magnetization, terrestrial magnetism, magnetic meridian. The compass.

2. A Class Book of Physics, by R. A. Gregory and H. E. Hadley. (Macmillan & Co.). Rs. 3-12.
3. A Course of Physics, by Charles H. Draper. (Blackie & Sons.) Rs. 3-12.
4. An Elementary Physics, by K. C. Bhattacharya. (Indian Press, Allahabad.) Rs. 2.
5. Matriculation Physics, Heat, Light and Sound. (University Tutorial Press).

Chemistry.

Definition of Chemistry.

Common properties of matter : hardness, porosity, brittleness, solid, liquid and gaseous states. Change of state. Melting and boiling points.

Crystalline shape, effect of heat on common things.

Solution in water. The above to be studied with $NaCl$, KNO_3, $CaCO_3$, Na_2CO_3, $CuSO_4 5H_2O$, $FeSO_4$, $7H_2O$, $ZnSO_4 7H_2O$, Fe, Zn, Sn, Mg, Pb, Hg, P, S, Shellac and linseed oil

Solution, melting, evaporation, distillation, filtration, solution in water and alcohol. Water of crystallization. Slow and rapid evaporation, saturated solutions. Crystallization studied from solutions in water and of melted sulphur. Distillation of water, mixtures, immiscible liquids. Elementary and compound substances. Non-metals and metals Chemical symbols. Chemical action, the laws of definite proportion, atoms, molecules, atomic and molecular weights, valency, relation between equivalent and atomic weights. Simple formulæ and equations.

Study of air—Rusting of metals, oxidation, active and inactive gases in air. Burning of phosphorus. Meaning of combustion, slow and rapid combustion studied with iron, magnesium and phosphorus.

Oxygen gas; prepared from oxide of mercury and potassium chlorate Important properties of oxygen gas.

Acidic and basic oxides, acids, bases and salts.

Preparation and properties of the following :—

Hydrogen, Nitrogen, Ammonia, Chlorine, Hydrochloric acid, Nitric acid Carbon dioxide.

Carbon—Properties and varieties

Action of carbon dioxide on animal and plant life.

Sulphur—Properties and varieties

Preparation and properties of sulphur dioxide and sulphuric acid, their preparation treated in a very elementary manner—sulphur dioxide by burning sulphur in air and by the action of hydrochloric acid on calcium sulphite and sulphuric acid by the action of nitric acid on sulphur dioxide and water

Study of Water—Action of steam on red-hot iron filings.

Action of Sodium on water. Action of magnesium on steam. Electrolysis of water.

NOTES—1 The detailed course given below indicates the minimum amount of practical work required to be performed by students and suggests a method of treatment of the syllabus for the guidance of teachers. They may substitute other experiments of equal educational value Practical work should be co-ordinated with the theoretical work and follow it consecutively as far as possible The practical experiment should be performed individually so far as can be arranged

2. A chart giving a list of the experiments to be performed and the date on which each student completes each experiment should be maintained and hung in the laboratory of each school recognized in Science (vide G L no B /3149—3300/V—36, dated December 21, 1925, from the Secretary of the Board)

The use of stencils in answering papers in Science is not allowed.

(*Classes IX and X.*)

Classes IX and X will have 6 periods of Science per week—for at least 27 working weeks; this gives a total of 162 periods in class IX :—

Subject	Detailed syllabus.	*Minimum list of experiments which should be done by the pupils individually.*
Chemistry	Effect of dissolved substances on boiling point.	To find B. P. of solutions of calcium chloride. Solution of different strengths.
	Distillation. Purification of water	*To bend tubes, bore corks, set up* apparatus for distillation and find B. P. before and after distillation.
	Elements and compounds.	To examine the elements—sulphur, copper, lead, mercury, zinc. To examine the compounds—ferrous sulphate, copper sulphate, lead oxide, mercury oxide and regain the elements, where possible.
	Metals and non-metals, *properties* —	
	The atmosphere Combustion, active and inactive air	Burning a candle in a bell jar. Repeat with sulphur, phosphorus. To measure the proportion of air used up when a substance burns in air.
	Rusting .	To show iron will not rust in dry air. To measure the air used up when iron rusts in air.
	Increase in mass in rusting and burning	To show increase in mass when magnesium and iron burn in air and when iron rusts in air—when a candle burns in air.
	Explanation of above Introduction of terms "Oxygen" and "Nitrogen."	
	Oxygen ..	[illegible] its properties. To show loss in mass when potassium chlorate is heated.
	Metals and non-metals. *Oxides.*	Their basic and acidic properties.
	Nitrogen. Its use in the atmosphere.	Properties, to find accurately percentage of nitrogen in air by pyrogallic acid (Lecture room).

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	Distillation. Purification of water.	To bend tubes, bore corks, set up apparatus for distillation and find B P. before and after distillation.
	Elements and compounds.	To examine the elements—sulphur, copper, lead, mercury, zinc. To examine the compounds—ferrous sulphate, copper sulphate, lead oxide, mercury oxide and regain the elements, where possible.
	Metals and non-metals, properties :—	
	The atmosphere. Combustion, active and inactive air	Burning a candle in a bell jar. Repeat with sulphur, phosphorus. To measure the proportion of air used up when a substance burns in air.
	Rusting	To show iron will not rust in dry air. To measure the air used up when iron rusts in air.
	Increase in mass in rusting and burning.	To show increase in mass when magnesium and iron burn in air and when iron rusts in air—when a candle burns in air.
	Explanation of above	

The books *recommended* for use in Chemistry are :—

1. Gregory and Hodges : Experimental Science for Indian Schools (Macmillan).

2. Wilson and Headley : A school Chemistry for India (*Oxford University Press*).

3. K. Kumar : Chemistry for classes IX and X (Bhargava, Chandausi).

4. An Elementary Chemistry for Indian Schools, Parts I and II, by K. C Bhattacharya (*Indian Press, Allahabad*), 1929.

IV.—AGRICULTURE.

The examination will consist of two papers of three hours each.

The first paper will be on the subject-matter in the syllabus up to and including sub-section (5) Tillage ; and the second paper on the remaining portion.

SYLLABUS.

(1) *Climatology* —Weather and seasons in the country and in the provinces.

(2) *Soils.*—Soil-forming processes.

Classification of soils on the basis of size of soil particles :—

Gravel (kankar).

Sand (bhur).

Sandy loam (retili domat).

Loam (domat).

Clay loam (matyar domat).

Clay (matyar).

Mechanical analysis of soils.—Determination of Stones. Gravels, Sand and Clay by simple sedimentation.

Texture of soils.—Arrangement and size of particles of soil; Specific gravity; Pore space; Surfaces exposed; Friability.

Organic matter in the soils—Its sources and distribution and maintenance. Its effect on soil

Soil water.—Its forms, its movements

Control of soil moisture—Run-off losses; Percolation; Evaporation Methods of checking the same.

Soil heat.—Relation of heat to germination and growth. Sources of soil heat. Factors affecting soil temperature. Effect of colour radiation, convection and conduction.

(3) *Irrigation and Drainage*—

Water requirements of plants.—Factors affecting transpiration Wilting point Conserving of moisture Effect of excessive moisture.

Sources of water of irrigation—Rain, its annual and seasonal variations; Wells, Rivers, Canals, Tanks and Bandhis.

Types of simple water-lifts—Persian Wheel, Chain Pump, Charsa, Baldeo Balti, Dhekli

Distribution of water—Flow systems; Pacca and Kachcha channels; Planning and laying-out of irrigation channels

Drainage—Earth bunds. Conditions making drainage necessary. Possible relation between irrigation and drainage.

(4) *Manures and manuring*—Farm-yard manure. Oil-cakes, Green manuring, poudrette, preservation, application; Chemical fertilizers.

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Distribution of water—Flow systems ; Pacca and Kachcha channels ; Planning and laying-out of irrigation channels

Drainage.—Earth bunds Conditions making drainage necessary Possible relation between irrigation and drainage

(4) *Manures and manuring*—Farm-yard manure, Oil-cakes, Green manuring, poudrette, preservation, application ; Chemical fertilizers.

(5) *Tillage.*—Objects of Tillage and description of principal implements of tillage :—

(*a*) Ploughs.

(*b*) Cultivators including harrows.

(*c*) Patela.

(*d*) Hand tools

(6) *The Plant.*—General description of a plant and its parts and the functions of each. Plant Growth, Substances necessary for plant growth, Sources of those substances, Storage and movements of food materials. Necessary conditions for the normal growth of a plant—air, heat, light and moisture.

(7) *Farm Crops*—Preliminary cultivation, sowing, weeding, irrigation, manurial requirements, harvesting, storage and marketing of the following crops :—

Wheat, gram, rice, maize, jawar, arhar, cotton, mustard, sannai, ambadi, potatoes, sugarcane, and vegetables.

(8) *Farm Animals.*—Buffaloes, cows and oxen, goats, their care and maintenance.

(9) *Patwari papers.*—Limited to village maps, khasra, khatauni and khewat.

Candidates are required to maintain note-books of all work done, both theoretical and practical. These note-books should be inspected periodically and initialled by the teachers. They may be called for at the time of the examination.

Candidates will undergo the following course of practical work in connexion with the above syllabus :—

1. Each student is required to keep records of the following facts noted in the school observatory :—

(*a*) Rainfall.

(*b*) Maximum and minimum temperature of air in shade.

(c) Wind directions.

(d) The time of occurrence of frost, fog, hail, dust-storm.

(e) Afternoon temperature of black soil, light coloured soil, rolled soil and mulched soil

2. Separation of stones, gravel and fine soil by sieve Weight of different soils in unit volume. Organic matter in soil and sub-soil, its power of absorbing moisture Amount of percolation of water in a unit of time through sand, clay and loam. Classification of soils as clay, loam, sandy by sight and touch.

3. Rough estimates of amount of water discharged in one hour by the different water-lifts in use. Amount of water discharged on fields by pacca, kachcha, and puddled channels

4. Results of applications of green manuring, farm-yard manure, oil-cakes, ground bones, bone ash potash, nitrate, applied to school garden plots

5 Use of farm implements.

6 Drawings of the following plants —

Juar, cotton, wheat, gram, potato and okra (bhindi).

7. Records of notes of cultivation of at least one kharif crop, one rabi crop, one garden crop, from the time of preparation of seed-bed to marketing, actually observed by the candidate

8 Description of local breeds of farm animals Recognition of different feeding stuffs

General lay-out of farm buildings

Books recommended—

1 Meston Readers, Parts 1 to 3, by K S M A Quyum.

2. Krishi Shastra or Ilm Zarayat, by Tej Shanker Kochak.

(5) *Tillage.*—Objects of Tillage and description of principal implements of tillage :—

(*a*) Ploughs.
(*b*) Cultivators including harrows.
(*c*) Patela.
(*d*) Hand tools.

(6) *The Plant.*—General description of a plant and its parts and the functions of each. Plant Growth, Substances necessary for plant growth, Sources of those substances, Storage and movements of food materials. Necessary conditions for the normal growth of a plant—air, heat, light and moisture

(7) *Farm Crops*—Preliminary cultivation, sowing, weeding, irrigation, manurial requirements, harvesting, storage and marketing of the following crops :—

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4. Results of applications of green manuring, farm-yard manure, oil-cakes, ground bones, bone ash potash, nitrate, applied to school garden plots

5. Use of farm implements

6. Drawings of the following plants —

Juar, cotton, wheat, gram, potato and okra (bhindi).

7. Records of notes of cultivation of at least one kharif crop, one rabi crop, one garden crop, from the time of preparation of seed-bed to marketing, actually observed by the candidate

8. Description of local breeds of farm animals. Recognition of different feeding stuffs

General lay-out of farm buildings

Books recommended—

1. Meston Readers, Parts 1 to 3, by K. S M A. Quyum.

2 Krishi Shastra or Ilm Zarayat, by Tej Shanker Kochak.

3. Notes on Poultry-keeping in India, by Mrs. A. K. Fawkes.

4. Tisdale's Books on Dairying.

5. Monthly Journals, Leaflets and Bulletins issued by the United Provinces Agricultural Department.

6. Lessons in Indian Agriculture, by D. Clouston (Macmillan & Co , Ld.).

7. Rahbar Zarait, by T. S. Kochak, published by the author. Price, Rs. 2-8.

8. Krishi Vigyan, Part I, by Sita Prasad Tiwari.

V.—DRAWING.

The examination will consist of two papers of three hours each : the first paper on Free Arm Drawing and the second paper on Geometrical Drawing.

SYLLABUS.

Free Arm.—This should be in Pastel, and should comprise common objects from nature.

The Round.—Such as Orange, Mango, Apple, Tomato, Lichi, Melon, Peach , Hockey and other Balls, Nutmeg, Walnut, etc.

The Cylindrical —Such as Flower-pot, Household Utensils, Degchies, Cups, Saucers, Surahi, Bowls, Tumblers, Lotas, bottles of kinds, Inkpots, Gloy Bottle, Paper-weight, Candle-stick, etc

The Rectilinear.—Open Book, Cigar and Cigarette Boxes, Match Box, Attaché Case, Cash Box, Flags, etc.

Miscellaneous.—Hockey Sticks, Cricket Bat, Tennis Racket, Mallet, Hammer, Screw Driver, Chisels, Padlock, Key, Scissors, Knives, Hatchet, etc.

Nature Study.—Simple flowers and leaves of all sorts. Butterflies. Beetles, etc.

The above outline which is but suggestive should be in Pastel on Tinted Paper and will involve instruction in the art of Blending Colours, Colour Harmonies, Colour Schemes and Shadows

Text-books recommended—

Pastel work for the standards, 3 volumes, by A G Tomkins, publishers Messrs. Isaac Pitman & Sons, London, Bath and New York. Rs 3 each vol.

Materials.—Pastels, Paper etc (Reeves), obtainable from Messrs J N. Navalakhi & Co, Kalbadevi Road, Bombay.

Pastels, Agra Pencil Factory, Tajganj, Agra.

Geometrical Drawing.—(1) The theory and use of instruments, especially of the protractor and Marquoise scale

(2) Plain block-letter writing.

(3) The whole of practical plane geometry

(4) Drawing to scale viz. scale of chords, diagonal scale, plain scale, comparative scales (to be done in ink).

Text-books recommended—

1. Geometry, Plane and Solid (Morris). (Longmans, Green & Co., Bombay and London)

2. New School of Art Geometry (Gill). (George Gill & Co, Minerva House, Warwick Lane, E C, London).

3. Roorkee Drawing Manual (Veale). (Roorkee Thomason College Book Dep t, Roorkee).

Materials.—School Geometry set (Reeves).

VI.—MANUAL TRAINING.

The examination will consist of one paper of three hours in Drawing and a practical examination of four hours in Woodwork.

SYLLABUS.

(1) *Woodwork*—

(*a*) A series of models graduated in respect of the tool manipulations involved to be made in wood from working drawings (drawn in plan and elevations, conventional isometric projection) or from a given pattern in wood; the construction of the models to involve the use of one or more of the following tools :—

Jack Plane, Try Square, Marking Gauge, Marking Knife, Smoothing Plane, Tenon Saw, Bevil, Screw Driver, Firmer Chisel, Hammer, Mallet, Bradawl, Nail Punch, Compass, Firmer Gouge, Gimlet, Frame Saw, Spoke Shave, Brace and Bit, File.

The following joints at least should be included amongst the models :—

Half-lap, Housing, Mortise and Tenon, Half-lap Dovetail, Box Dovetail, Edge-dovetail, Bridle.

(*b*) The care and maintenance in good working condition of the above-mentioned tools, excluding saw setting and sharpening.

(2) *Drawing*—

Drawing in plan and elevations of all models in the course and in conventional isometric projection of those of a rectangular shape.

NOTES.—1. A scheme drawn up on the above lines is given below. Teachers need not keep strictly to the particular model mentioned in this scheme, but if any changes in the models are made these should not involve changes in the new tool manipulations employed. The course should, if possible, be commenced in class VII.

2. Attention is invited to the suggestions for the teaching of Manual Training contained in Director of Public Instruction's circular no. 2 of

*Books recommended for the *use of teachers* :—

1. The Teacher's Handbook of Sloyd, by O. Salloman. (*George Phillip & Sons*). 6*s*.

2. Manual Instruction ; Woodwork, by J. C. Pearson. (*George Phillip & Sons*). 6*s*.

3 McDougall's Light Woodwork, by David Thomas. (*McDougall's Educational Company, London*) 1*s*.

4. The Scholar's Woodwork Class-book, by T. W. Berry. (*Cassell & Co , London*). 1*s*.

5. Practical Drawing, by T S. Usherwood. (*Macmillan & Co.*). 2*s*.

6 Educational Handwork—Junior Course, by J L. Martin and C V Manley. (*Blackie & Sons*). 1*s*. 6*d*.

7. Educational Handwork—Intermediate Course, by J L Martin and C V. Manley. (*Blackie & Sons*). 1*s*. 6*d*

8. Educational Handwork or Manual Training, by A. H Jenkins (*University Tutorial Press, Burlington House, Cambridge*).

9. The "Self-Help" Course of Woodwork Exercise, by E J. Andrews. (*Charles & Dible*, 10, *Paternoster Square, London*) 2*s*. net.

10 Handicraft in Wood and Metal, Shirley and Hooper, *Batsford*, Rs. 9.

*In connexion with the books recommended for the use of teachers in this Prospectus it should be noted that there is in addition a number of books approved for the use of teachers generally (*vide* list of books approved for the use of teachers of Anglo-Vernacular and Vernacular Schools, dated July 31, 1916, and its supplements issued annually).

VII.—A MODERN EUROPEAN LANGUAGE.

French.

There will be two papers of three hours each. The first paper will consist of passages for translation from the Prescribed Text-books, questions on the Prescribed Text-books, and questions on Grammar. The second paper will consist of Unseen passages and idiomatic phrases for translation from French into English and *vice versâ*.

Books prescribed—

1. *Ed. About.*—Le Nez d'un Notaire Macmillan's Edition. (Siepmann's Series).
2. *Du Camp*—La Dette de Jeu. (Cambridge University Press).
3. *Daudet*—Lettres de mon Moulin. [Edited by Bradley and Rieu (Clarendon Press)]
4. French Poetry for advanced students, by A. Watson Bain (Macmillan & Co), of which poems numbered 1, 9, 11, 12, 13, 14, 16, 31, 48 and 56 are prescribed.

Grammar recommended—

French Grammar (Sonnenschein's Parallel Grammar Series) *or* Heath's Modern French Grammar (Harrap)

NOTE—The *viva voce* examination has been dropped for the present.

VIII.—DOMESTIC SCIENCE.

The examination will consist of two papers of three hours each The first paper will contain questions on Physiology, Hygiene, Household Management and Home-Nursing. The second paper will consist of the practical examination in Sewing to be held at the same time as the examination in written work. There will also be an oral test in First Aid and Home-nursing, and a practical test in Cooking.

	Marks.
First paper	50
Sewing	20
First Aid and practical work in Home nursing	30

Candidates should be required to gain pass marks separately in—

(a) First paper (Physiology, Hygiene, Household management and Home-nursing).

(b) Sewing ; First Aid with practical work in home nursing

SYLLABUS.

As a basis for the teaching of Hygiene and Home-nursing there should be a preliminary simple treatment of the following topics in Elementary Physiology :—

The human skeleton, the organs of digestion, the circulation of the blood, the nervous system, respiration.

I.—*Hygiene.*

NOTE —Great importance should be attached to practical work wherever the subject admits of this.

Air.—Composition of air, importance of pure air, impurities of air, and diseases caused by impure air, ventilation.

Water.—Composition of water ; quantity of water required ; source of water-supply, springs, deep wells, surface wells, rivers, tanks ; how water is polluted ; how to prevent pollution of water, how to purify water ; boiling and filtering.

Food.—Composition of food ; composition of good diet and its importance ; preservation of food ; cooking of food ; drinks and condiments.

Personal Hygiene.—Cleanliness of body (hair, nails, teeth, etc.) ; clothing ; exercise ; importance of temperance ; the use of *pan*, opium, and other drugs ; spitting.

Precautions against diseases.—Infectious diseases (small-pox, measles and diphtheria, etc.); colds and influenza; tuberculosis; enteric fever; dysentery and diarrhœa; cholera; plague; malaria; itch; leprosy, ophthalmia (sore eyes).

II.—*First Aid.*

Roller bandage, figure of eight as applied to knee, elbow, finger, ear; bandage for eye, nose, chin. Bleeding of different kinds; how to stop bleeding; drowning, burns; scalds; bruises, sprains; broken bones; dislocation; carrying injured people; fainting; sunstroke; hysteria, epilepsy, suffocation; foreign bodies in eye, ear, nose, and throat; bites of mad dogs; signs of madness in dogs; snake-bite, stings.

III.—Home-nursing.

NOTE.—None of the work is to be purely theoretical. Practice must be given in every point which allows of practical work.

1. *Room.*—Bed, bedding, furniture, light, warmth; ventilation.

2. *Nurse.*—Health; dress; qualifications of a nurse.

3. *Duties of Nurse.*—Administration of medicine; pulse and temperative charts; bathing; changing of garments and bedding.

4. *External Remedies.*—Poultices; plasters, fomentations, ice, sponging, baths, temperature of baths.

5. *Food.*—Kind of food and preparation; way of giving.

6. *Infectious Illness.*—Precautions during illness, disinfection of room, clothing, and bedding after illness; use of disinfectants.

7. *Convalescence.*—Occupations; visitors; rest, sleep and food.

IV.—Care and Training of Children.

Food, sleep, exercise, play, clothing, cleanliness, surroundings.

V.—Household management.

A.—Choice of House. Furniture and Decoration. Distribution of rooms. Cleansing and care of house and furniture. Disposal of refuse and sewage. Precautions against flies and mosquitoes.

B.—Care of the kitchen.

Preparation of simple food.

Two of the following groups :—

(*i*) Preparation of *roti*, rice, *dal*, and *tarkari*.

(*ii*) Preparation and care of milk.

(*iii*) Preparation and care of meat. (One dish only required.)

C.—Duties of the mistress of household.

Proper distribution of daily activities. Accounts and budgeting of expenditure.

VI.—Clothing.

(*i*) Choice and care of clothing.

(*ii*) Methods of washing cotton, woollen, and silk materials.

NOTE.—Practical work should be done, if possible.

(*iii*) Sewing and cutting out.

A good standard of skill will be required in the various stitches that are necessary in making up garments and in mending worn articles of clothing.

Each candidate should select three of the following groups :—

(*a*) To cut and make up coat (*achkan*) or *pyjama* or shirt (*kurta*) or waistcoat for a man.

(*b*) To cut out and make up *kurti* or blouse or skirt or petticoat or *pyjama* for a woman.

(*c*) To cut out and make up frock or bonnet or *pyjama* or *bandi* for a child.

(d) Drawn thread or crewel work or English-embroidery or *chikan* work or *sulme sitare.*

(e) Spinning.

(f) Weaving.

NOTE.—As an indication of the scope and standard of instruction in Hygiene and Home-nursing teachers are referred to sections II, III and V of Personal and Domestic Hygiene for the School and Home, by Mrs. Harold Hendley (Rai Sahib M Gulab Singh & Sons, Lahore), also to Indian Manual of First Aid and Indian Home-Nursing, published by the Indian Council of the St John Ambulance Association (Thacker, Spink & Co., Calcutta).

Books for teachers' reference—

1. Physiology, by T Huxley.

2. Tropical Hygiene, Lukis and Blackham (Thacker, Spink & Co.).

3. Outline of Domestic Science (for Indian Readers), by Lilian Sawtell. (Longmans, Green & Co.)

4. Training of Children under five years

5 Child-welfare, by Dr. S. K Mukerji. (Indian Press, Allahabad)

IX.—METAL WORK.

The examination will consist of one paper of three hours in Drawing and Theory, and a practical test for four hours in Forging and Fitting Work

SYLLABUS.

(a) *Practical work* —A series of models graded in respect of tool manipulation to be made in metal from Working Drawings or from Patterns, and involving the use of Forge, Anvil, Vice, Tongs, Top and Bottom Tools, Drills, Hammers, Files, Stocks and Dies, etc. Exercises should include Drawing Down, Upsetting, Welding, Annealing, Hardening and Tempering, Rivetting, etc, and such objects as Punches (nail and centre), Scribing Knife, Nuts and Bolts, Rings, Chain Links, Hasp and

Staple, Keys (for shafting), Coat Hook, Wall Bracket, Letter Weight, Callipers, Wall-Holdfast, Cold Chisels, Drills, etc.

(*b*) *Theoretical work.*—Properties and uses of different metals, Iron (malleable and cast), Steel, Brass, etc. Sections and weights of above. Length calculations, Working heats, Care and maintenance of tools, Forge, etc.

(*c*) *Drawing.*—In orthographic projection of all models made during the course.

Books recommended—

1 Smithy and Forge, Crane, approximate price Rs. 2. (Publishers: Crosby Lockwood).

2. Smith's Work, Hasluck, Rs. 2. (Cassels).

3. Educational Handwork, Jenkins. Rs. 3. (University Tutorial Press).

4. Handicraft in Wood and Metal, Shirley and Hooper Rs. 9 (Batsford).

5. Plain and Ornamental Forging. Schwarzkopf Wiley & Sons, Rs. 6-8-0.

X.—HISTORY OR GEOGRAPHY.

(The same course as in the compulsory subject.)

XI.—BOOK-BINDING.

The examination will consist of one paper of three hours and a practical examination (including oral test) not exceeding four hours.

Syllabus—

Theory (*a*).—Paper, its history and manufacture, varieties, sizes, weight, colour, surface, etc.

General book-binding materials, threads, tapes, covers, edges, tops, backings in various materials, cloth, leather, vellum. Adhesives, manufacture and use.

Forms of binding, cloth, paper, quarter and half-leather.

Decorative materials, gold leaf, silver-leaf, inks, colours and varnishes.

Tools and appliances (*b*): Guillotine, Stitching Frame, Punching Frame, Backing Press, Standing Press, Hand-working Tools, Hammers, Punches, Scissors, Needles, Knives, embossing Tools, etc.

Practical (*c*).—Folding and cutting papers to various sizes. Sewing by various methods including section and Tanni Silai. Rounding and backing, covers and corners in cloth, leather, etc. Simple decoration of book covers by tooling, embossing and colouring on various materials, lettering and gilding. The repair and re-backing of old books, care of books, preservation and repair.

Books suggested :—(*a*) For teachers—Book-binding and the Care of Books, by John Hogg.

(*b*) For students—Book-binding, by Cassels

XII.—SPINNING AND WEAVING.

The examination will consist of one paper of three hours and a practical examination (including oral test) not exceeding four hours.

Syllabus—

Spinning (*a*) *Theory*

1. A brief survey of the principles of seed selection, land preparation, cultivation, growth, distribution, ginning and marketing of cotton.

2. Types and classes of the different cottons grown in the various parts of the world with particular reference to Indian-grown cottons. The utilisation of all classes of cotton for the various kinds of cloth.

3. The physical properties of cotton, structure length, diameter and colour of the different varieties

4. The preparation of the cotton fibre for hand spinning, hand-ginning and cleaning.

5. Spinning by the spinning wheel. The principle of hand-drawing twisting, and winding in comparison with various types of spinning wheel.

6. The qualities and usefulness of well-spun yarn The effect of spinning on the preparatory and weaving processes.

7. Methods of disposal of yarn.

8 A brief survey of other raw materials used in spinning such as wool, silk, waste silk.

Spinning—(b) Practical.

The spinning wheel and its manipulation, three principles in operation, viz., drawing, twisting, and winding.

Weaving—(a) Theory.

1. Its numeration and explanation of the different forms in which yarn is supplied to the weaving section for making into cloth, e g., cops, hanks, cones, cheeses, etc.

2 Winding on the " Charkha " and methods adopted when winding from the forms mentioned above. The necessity of good winding and also of the traverse showing how badly-made bobbins affect the subsequent processes.

3. Warping and its object The methods used, such as single-end multiple and Ball-warping machine in the making of warps for the loom.

4. Sizing and its necessity. The common ingredients used and the methods of application to the yarn. Effect of faulty sizing and application in the after processes.

5. Methods used in the running-off of warps on the weaver's beam.

6. Drawing in, its necessity, object and manipulation, Healds and Reeds, Drawing-in implements.

Weaving.—" Gaiting " the warp in the loom. Explanation of the three main motions, viz , shedding, picking beating-up. Shedding as done by pedals and applied to the various types of cloth. The manipulation of the pedals, picking and how it is done. Beating-up to produce different thickness or fineness of cloth

Description of the parts in a sley; shuttle, pickers, shuttle boxes and all sundry parts.

Calculations.—The system of counting yarns—cotton, wool, silk, etc.

The testing of counts, folding of yarns, quantity of warp and weft in a piece of cloth. Head knitting, reeds and warping.

Designing —The standard weaves cush as plain, twill, satins, combination and re-arrangement of these weaves, stripes, mock lenos and similar cloths. Analysis of these cloths with drafting and lifting plans.

The make up and marketing of the above.

Finishing of cloths

Weaving (b) Practical—

The making of warps by the "single," "multiple" and " Ball warp " methods—Winding on to warp bobbins and also weft-pirns. Sizing of yarn by hank and in ball warp " Running-off " of warps on to plains, drills, twills and simple tie-up designs

Books suggested for teachers' use and students' reference .—

1. Cotton Spinning, Vol. I, by W S. Taggart. (Macmillan).

2. Cotton Weaving and Designing by J. J. Taylor (Longmans).

3. Hand-loom Weaving, by L. Hooker (Pitman).

XIII.—GENERAL SCIENCE (PHYSICS, CHEMISTRY, AND BIOLOGY).

There will be two papers of three hours each as follows :—

1st Paper—Physics and Chemistry.

2nd Paper—Biology and Chemistry.

(NOTE.—Each paper will consist of eight questions three of which will be in Chemistry.)

Syllabus—

(It is assumed that candidates taking General Science have completed the Science course laid down for the Upper Middle section as questions may be asked from this course also at the High School Examination)

I —Physics.

Pressure at different depths in liquids. Density. Specific Gravity. Archimedes' Principle and its applications Flotation (Ships, Airship, Balloons, Iceberg). Air pressure. Effects of air pressure. Syringe. Simple water pump. How the pressure of the air is measured Barometer movements and weather. Action of the football and bicycle pumps. Bicycle valve. Kites, aeroplanes. Steam pressure. Force on piston of steam engine. Simple manometer

Rectilinear propagation of light. Candle-power. Plane mirrors. Laws of reflection. Images in spherical mirrors (no formulae). Refraction. Magnifying glass. Simple ideas about the principles and use of Camera. Dispersion and Colour.

Electrification. Electro-scope. Conductors and insulators. Magnets. Polarity. Earth's Magnetism.

Compass needle. Cells and batteries. Electro-magnet. Simple explanation of the telegraph and the Electric Bell. Simple galvanoscope. Heating and chemical effects of a current.

Sources of heat. Expansion of solids, liquids, and gases. Effects of expansion; platinum and glass. Thermometers. Air and clinical thermometers. Freezing mixtures Transference of heat. Davy's safety lamp. Winds Cold nights with cloudless sky. Thermos-flask. Units of heat. Specific heat. Latent heat (no calculation) Cold on evaporation. Heat on compression. Humidity. Change of volume on melting. Boiling of liquids, vapour pressure; steam engine.

II.—Chemistry.

Solutions in water and other liquids. Crystallization Slow and rapid evaporation Saturated solutions. Elements, compounds, and mixtures. Study of the atmosphere Oxygen and Nitrogen Combustion, slow and rapid Flame Water. Properties of Hydrogen. Ammonia. Limestone Sodium carbonate and caustic soda Hard and soft waters. Acids. Bases Salts. Chemical symbols. Conservation of mass. Carbon: Properties and varieties. Carbon dioxide How plants use air. Respiration. Coal gas. Sulphur: properties and varieties Sulphur dioxide Chlorine. Hydrochloric acid. Phosphorus Matches Common salt. Properties of metals, non-metals Alloys. Simple ideas of the properties of iron and steel Petroleum sources and use Soap Glass

III.—Biology.

Life of animals, based on the frog—External parts and their work, Internal parts and their work; Digestive system. food and digestion. Circulatory system and blood: work of blood and need for

2. Cotton Weaving and Designing by J. J. Taylor (Longmans).

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Rectilinear propagation of light. Candle-power. Plane mirrors. Laws of reflection. Images in spherical mirrors (no formulae). Refraction. Magnifying glass. Simple ideas about the principles and use of Camera. Dispersion and Colour.

Electrification. Electroscope. Conductors and insulators. Magnets Polarity. Earth's Magnetism.

Compass needle. Cells and batteries. Electro-magnet. Simple explanation of the telegraph and the Electric Bell. Simple galvanoscope. Heating and chemical effects of a current.

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Solutions in water and other liquids Crystallization. Slow and rapid evaporation. Saturated solutions. Elements, compounds, and mixtures Study of the atmosphere Oxygen and Nitrogen. Combustion, slow and rapid. Flame Water Properties of Hydrogen. Ammonia. Limestone Sodium carbonate and caustic soda. Hard and soft waters. Acids Bases Salts. Chemical symbols. Conservation of mass Carbon: Properties and varieties. Carbon dioxide. How plants use air. Respiration Coal gas Sulphur: properties and varieties Sulphur dioxide. Chlorine. Hydrochloric acid. Phosphorus Matches Common salt. Properties of metals, non-metals Alloys Simple ideas of the properties of iron and steel. Petroleum sources and use Soap. Glass.

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Syllabus—

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II.—Chemistry

Solutions in water and other liquids. Crystallization. Slow and rapid evaporation Saturated solutions. Elements, compounds, and mixtures. Study of the atmosphere Oxygen and Nitrogen Combustion, slow and rapid. Flame. Water Properties of Hydrogen. Ammonia. Limestone. Sodium carbonate and caustic soda. Hard and soft waters. Acids. Bases. Salts. Chemical symbols. Conservation of mass. Carbon: Properties and varieties. Carbon dioxide. How plants use air. Respiration. Coal gas Sulphur: properties and varieties Sulphur dioxide Chlorine. Hydrochloric acid. Phosphorus. Matches Common salt. Properties of metals, non-metals Alloys Simple ideas of the properties of iron and steel Petroleum sources and use Soap Glass.

III—Biology.

Life of animals, based on the frog—External parts and their work, Internal parts and their work; Digestive system. food and digestion. Circulatory system and blood work of blood and need for

circulation. Lungs and breathing. Kidneys and excretion. Nervous system : sensation and the special senses. Muscles and movement. Bones and support. Reproductive system and reproduction. Habits and life history of the frog.

Elementary physiology of the human body.

General survey of the animal kingdom.—Illustrated mainly by local animals.

Life of plants based mainly on mustard (or bean plant).—Various forms of plants : trees, herbs, climbing plants, parasites, non-green plants. Parts of the plant and their work. Leaves : manufacture of food ; loss of water to air. Stem : carrying water and food : support of leaves. Root : collecting water and salts from the soil ; holding the plant in position. Storage of food. Flower : pollination ; fertilization fruits and the scattering of seeds. The new plant in the seed ; germination. Production of new plants from stems and roots.

General survey of the plant kingdom.—Illustrated mainly by local plants.

The value of plants and animals to man.—Food, fuel, clothes, power, building materials, medicines, pleasure, scavenging of waste materials (dogs, jackals, crows, bacteria, fungi).

Animals and plant that are harmful to man.

(1) That feed on man and animals : ticks, lice, fleas, bedbugs, mosquitoes, intestinal worms.

(2) That feed on plants : destruction of plants by insects.

(3) That cause disease in man and animals : animal parasites (malaria parasite, kala azar, hookworm) and bacteria (cholera, plague, small-pox, tuberculosis, rabies, etc.).

(4) That cause diseases in plants : parasitic fungi (mildews, smuts, rusts, etc.).

(5) That carry disease · insects (flies, fleas, sandflies, mosquitoes) ; rats.

(6) That destroy property : rats ; white-ants ; beetles, bacteria and molds in food ; wood-rotting fungi, etc

(7) Control of parasites, disease-producing organisms and other pests , by nature (birds and insect-eating insects) and by man

IV.—Practical work.

The following list of experiments indicates the minimum amount o practical work required to be done by each student Other experiments of equal educational value may be substituted It should be possible for most teachers to get their students to perform additional experiments. The experiments should be performed individually as far as can be arranged The teaching of theory should be fully illustrated by experiments and demonstrations are to be considered an essential part of the teacher's work The course in Biology will not require extensive expenditure on equipment and materials. Practically all materials can be collected from the local fauna and flora. No microscopic work is expected to be done individually by the pupils , only that may be done by demonstration on the part of the teacher, when he believes it will add to the effectiveness of the work.

NOTE —A chart giving a list of the experiments to be performed and the date on which each student completes each experiment should be maintained and hung in the laboratory at each school recognised in General Science.

Physics.

To show that the weight of a floating body is equal to the weight of the liquid displaced (using a loaded test tube in a graduated jar with different liquids).

Determination of the radius of a wire by Archimedes' Principle.

Determination of the relative density of (*a*) bodies which sink in water, (*b*) liquids.

To measure (*a*) the pressure of the lungs, (*b*) gas supply (if any).

Reflection at a plane mirror.

Focal length of (*a*) concave mirror, (*b*) convex lens by parallel rays method.

Relation between image and object produced by (*a*) concave mirror, (*b*) convex lens (no calculations).

Refractive index of glass and liquids.

Refraction through a prism.

Cooling curve of water and wax.

Determination of the apparent expansion of water (by heating water in a flask and noting rise in level of surface)

To compare heat required to melt ice and to boil water.

To show that the loss of heat of one body is equal to the gain of heat in another.

To map lines of force by a small magnet charging an electroscope.

Magnetic effect of a current.

Chemistry.

To observe the action of water on sodium, sodium chloride, potassium nitrate, sodium carbonate, copper sulphate

Crystallization of a salt.

To observe the action of heat on potassium nitrate, calcium carbonate, copper sulphate, iron, zinc, tin, lead, mercury, sulphur, phosphorus.

To determine the change in weight due to oxidation when a substance is sufficiently heated in air.

To find the proportion of oxygen and nitrogen in air.

To prepare oxygen from potassium chlorate and study its properties.

To prepare hydrogen from zinc and sulphuric acid and study its properties

To prepare chlorine from manganese dioxide and hydrochloric acid

To prepare hydrochloric acid from sodium chloride and sulphuric acid

To prepare ammonia gas from ammonium chloride and quicklime and study its properties.

To prepare carbon dioxide from limestone and hydrochloric acid and study its properties.

To find the volume of oxygen given off by heating 15 grams of potassium chlorate.

Biology

Observation of living frogs . habits and mode of life.

Demonstration of more important features of the internal parts. Students should sketch easier parts.

Observation of life history in the field and in the laboratory.

Demonstration of common representatives of the animal kingdom Students should be encouraged to collect materials , should be developed as a museum activity.

Collection and sketching of common plant forms

Study and sketch parts of plant

Simple experiments, mainly demonstrations, to show accumulation of food (starch) in leaves exposed to light That water is lost through the leaves. That plants require a continuous supply of water. That water rises through the stem That CO_2 is given off during respiration. That plants grown in darkness are not

Determination of the radius of a wire by Archimedes' Principle.

Determination of the relative density of (a) bodies which sink in water, (b) liquids.

To measure (a) the pressure of the lungs, (b) gas supply (if any).

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To compare heat required to melt ice and to boil water.

To show that the loss of heat of one body is equal to the gain of heat in another.

To map lines of force by a small magnet charging an electroscope.

Magnetic effect of a current.

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Collection and sketching of common plant forms

Study and sketch parts of plant

Simple experiments, mainly demonstrations, to show accumulation of food (starch) in leaves exposed to light. That water is lost through the leaves. That plants require a continuous supply of water. That water rises through the stem That CO_2 is given off during respiration. That plants grown in darkness are not

green, but become green upon exposure to light. Process of germination; study and sketch (bean, chana, and castor bean).

Demonstration of common representatives of the plant kingdom. The project to be developed as for animals.

Collection of animal and human parasites; observation of their habits, and of their adaptations for such a mode of life.

Observation and collection of insects that feed on cultivated plants.

Collection of fungus diseases of plants, especially of crop plants; a study of the damage they cause.

Animals that carry disease: their habits and life histories.

Observation, and study of plants and animals that destroy property.

Methods of control of plant and animal pests.

Control of bacteria by heat, drying, chemicals.

Examination of the breeding places of mosquitoes, flies, rats. Experiments to show means of destruction.

Books suggested—

(1) Gregory and Hodges—Experimental Science for Indian Schools (Macmillan).
(2) Parsons—Everyday Science.
(3) Marie Stopes—Elementary Physiology.
(4) Potter—Biology by discovery.

APPENDIX.

A note on the general Science course for the guidance of teachers.

The course in General Science consists of Physics Chemistry and Biology and is intended to awaken the interest of young students in and give them an intelligent appreciation of things and life around them. With this

general purpose in view, the syllabus is mainly descriptive and all quantitative relations are omitted. The teacher should keep this main purpose of the syllabus in mind in presenting the different sections of the subject and emphasize the part of these sciences play in modern life. In Biology the teacher should emphasize the life-functions of frog and man rather than details of structure; in plants, it is not the shapes and kinds of structures that should be emphasized, but the fact that the plant is a living organism. How animals and plant obtain their food, breathe, react to their surroundings and reproduce their life rather than elaborate details of structure is the important thing.

Practically every item of the syllabus can be illustrated by a simple experiment and students should be en-encouraged to learn the subject more from direct experience and demonstration rather than by reading books alone. The teacher is recommended carefully to prepare his material and experiments before their demonstration in the class and induce students to write out notes of what they have seen These notes supplemented by reading of suitable books must form the basis of his knowledge of the subject.

The syllabus lays down a list of experiments in each section which the student is expected to carry out himself This does not, however, limit the teacher's freedom of suggesting additional experiments in any section. The student in the practical room should, in fact, have free access to material or apparatus and might be allowed, wherever possible, to repeat for himself the experiments which were shown in the class-room

INTERMEDIATE EXAMINATION OF 1933.

N. B.—Alternative questions will be set in all question papers for the Intermediate Examination.

The following grouping of subjects is approved for the guidance of students and teachers. The subjects have been so grouped that, while providing a sound general education, suitable as an introduction to University studies, they should also fit the students to enter upon higher specialized courses in technical and professional institutions :—

General Arts.—Mathematics, Economics, *Civics, Geography, Drawing, a Modern Indian or European Language, Logic, a Classical Language, History and Allied Geography, Histories of Greece and Rome and Allied Geography. (*Any three should be taken.*)

General Science.—Mathematics, Drawing, Chemistry, Physics, Biology, Geography, Economics. (*Any three should be taken*)

For Medicine —Chemistry, Physics, and Biology

For Engineering —Mathematics, Physics, and Chemistry.

For Teaching —(1) History, Civics, and Geography.

(2) History, Geography, and Mathematics.

(3) History, Geography and (Physiology, Hygiene, and Child-Study) (*women students*).

(4) Geography, Mathematics and (Physiology, Hygiene, and Child-Study) (*women students*).

**Students taking Civics are advised also to take History.*

latter will include among the alteratives descriptive or narrative subjects. In the case of candidates who offer English as their mother-tongue the third paper will consist of an Essay, together with questions on English composition and on the history of English Literature from 1500, as in Hudson's Outline History of English Literature (Bell & Co.).

2 In the case of books prescribed for general study detailed knowledge of the text will not be required, but candidates will be expected to show that they have read the course with intelligence and with some appreciation.

Books prescribed—

Prose—(a) For detailed study—

1 A Book of English Prose by P. Seshadri (Oxford University Press) (omitting the Convalescent; the Beautiful, Dr. Skinner; El Dorado; the Dedicated Life; War).

2. Goldsmith's Vicar of Wakefield (abridged edition, the Indian Press, Ltd, Allahabad).

(*b*) For general study—

1 George Elliot's *Silas Marner* (Indian Press, Ltd., Allahabad).

2. Short Stories, by Buchan (Nelson).

Poetry—(a) For detailed study—

1. Tennyson—Enoch Arden.
2. The following poems from the 1928 edition of Palgrave's Golden Treasury, with additional poems (Oxford University Press, Indian edition, Re. 1) are prescribed :—

Shakespeare—" When to the sessions of sweet silent thought."

" Since brass, nor stone, nor earth, nor boundless sea."

Keats—" La Belle Dame Sans Merci."
Milton—" On his blindness."
" Captain, or Colonel, or Knight in Arms."
Tennyson—" Ring out, wild bells."
—" Tears, idle tears"
—" The splendour falls on castle walls."
Wordsworth—" The world is too much with us."
—" Upon Westminster Bridge."
Browning—" Prospice."
W. E. Henley—" Out of the night."
Robert Bridges—" Nightingale."
Christina Rossetti—" Up-Hill "
Rupert Brooke—" If I should die."
Masefield—" Sea-Fever "

3 Tagore (Macmillan's Poems from Tagore)—
" Leave this chanting and singing and telling of beads "
" The day is not yet done, the fair is not over, the fair on the river-bank."
" Mother, let us imagine we are travelling."
" Sanatan was telling his beads."
" The night darkened. Our day's work had been done."

(b) For general study—
Shakespeare—" The Merchant of Venice."

Recommended for use by students—
The Pocket Oxford Dictionary.

NOTES —(a) Half the total of marks will be allotted to the portions for detailed study, 30 per cent to the portions for general study, and 20 per cent. to Unseen Passages and Grammar.

(b) Grammatical questions will be asked, including Parsing, Analysis, the Sequence of Tenses and conversion of the Direct and Indirect forms of speech.

(c) The attention of candidates is drawn to the fact that examiners have been instructed to deduct marks for inaccuracy in English.

MATHEMATICS.

There will be three papers of three hours each; one paper in Algebra and Trigonometry, a second in Mensuration and Pure and Analytical Geometry, and a third on Elementary Dynamics and Statics.

(1) (a) *Algebra.*—Quadratic equations involving two or more unknown quantities; the theory of quadratic equations and of expressions of the second degree; surds and imaginary expressions; arithmetical, geometrical and harmonical progressions; permutations and combinations; theory of indices and logarithms, proof of binomial theorem for a positive integral index and the use of binomial and exponential theorems for any index.

(b) *Trigonometry.*—Including solution of triangles and simple problems on inscribed, circumscribed, and ascribed circles.

(2) (a) *Pure Geometry.*—Loci; proportion and similarity; radical axis of two circles; simple properties of pole and polar in respect of a circle; simple properties of parabola

(b) *Analytical Geometry.*—Straight line, pair of straight lines, circle (including radical axis and pole and polar); equation to parabola in form y2=4 ax and simple properties deduced therefrom; simple properties of tangents and normals to the ellipse deduced from the equation $\frac{x^2}{a_2}+\frac{y^2}{b_2}=1$. (Oblique, cartesian and polar co-ordinates will not be required.)

(c) *Mensuration of Solids.*—Surfaces and volumes of parallelopipeds and right prisms, pyramids, circular cylinders and cones, spheres, and spherical segments; frusta of pyramids, cones, and spheres.

The use of Trigonometry and Logarithms will be permitted in solving numercial examples.

(3) *Dynamics and Statics*—Velocity, composition of velocities; relative velocity; acceleration, rectilinear motion under uniform acceleration, composition of accelerations; Newton's Laws of motion; rectilinear motion under gravity in a vertical and down an inclined plane, motion of two masses connected by a string passing over a pulley; projectiles, direct impact of smooth bodies; definition and calculation of kinetic energy; co-planar forces, parallel and non-parallel, and their composition; equilibrium of a body under three forces; moments, conditions of equilibrium of a body under a system of co-planar forces and simple examples, centre of gravity; friction, work and power; simple machines (lever, balance, system of pulleys, wheel and axle).

NOTE—The use of stencils and slide rule in answering questions in Mathematics is not allowed.

The following books are suggested (*not prescribed*) in addition to more elementary text-books :—

1 School Algebra, H. S Hall, Parts I—III.
2. School Algebra, Part II, by Paterson (Clarendon Press).
3 Elementary Algebra, Part II, by P. Ross (Longmans).
4. Higher Algebra, Chapters I—XVII, by Hall and Knight (Macmillan).
5. Hall and Steven's School Geometry, Part VI.
6. Elements of Analytical Geometry, Part I, by Wanchoo (Indian Press, Ltd., Allahabad).
7. Co-ordinate Geometry, Smith or Loney (Macmillan).
8. Elements of Statics and Dynamics by Loney (Cambridge University Press).
9. Intermediate Trigonometry, by C. C. Ghosh (Macmillan).
10. Plane Trigonometry, Part I, by S. L. Loney (Macmillan).

CHEMISTRY.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.) The use of stencils and slide rule in answering papers in Chemistry is not allowed.)

There will be two papers of three hours each and a practical examination The first paper will include metals and non-metals and the second paper general Chemistry and organic Chemistry.

The following syllabus is prescribed :—

The course for the High School Examination of 1933 with the following additions .—

Elementary and compound substances, mixtures, solution, chemical action, the laws of definite and multiple proportions, simple methods of the determination of equivalent weights, atoms, molecules, atomic and molecular weights, vapour density, the atomic theory and Avogadro's hypothesis, combination of gases by volume.

Valency, relation between equivalent and atomic weights, simple methods of determination of atomic weights, Dulong and Petit's law. Boyle's law, Charles' law, vapour pressure, diffusion.

Chemical symbols, formulae and equations, calculations of an easy nature.

Oxidation and reduction.

Elementary ideas as to the nature of dissociation in gases and electrolytic dissociation theory.

The outlines of the Periodic law studied from elements prescribed in the course.

Preparation and important properties of the following elements and compounds and proofs of the composition of the compounds marked* :—

Hydrogen, oxygen, water*, ozone, hydrogen dioxide, nitrogen, the atmosphere*, the effects of animal and vegetable life upon its composition, ammonia*, nitric

acid and nitrates, nitrous acid and nitrites, nitrous* and nitric* oxides, nitrogen peroxide, carbon, carbon* dioxide, carbon* monoxide, elementary ideas about combustion and structure of flame, coal gas, chlorine, hydrochloric* acid, the chlorides, chlorine peroxide, chloric acid and chlorates, bromine, iodine, their hydracids and salts.

Sulphur, *hydrogen sulphide, *sulphur dioxide and trioxide, sulphuric acid and the sulphates, sulphurous acid and sulphites.

Phosphorus, hydrogen phosphide, chlorides of phosphorus, phosphorus trioxide and pentaoxide, orthophosphoric acid.

Silica, silicates of Na, K & Ca, glass.

Sodium, potassium, their hydroxides, chlorides, nitrates, carbonates, sulphates

Calcium, strontium, barium, and their oxides, carbonates, sulphates, chlorides, nitrates

Magnesium, its oxide, chloride, sulphate, carbonate and nitrate

Lead, its chloride, sulphate, nitrate, and acetate.

Copper, the outlines of its metallurgy, its oxides, chlorides, sulphate, nitrate, and sulphides

Iron, the outlines of its metallurgy, its oxides (FeO, $Fe^3 O^3$, $Fe^3 O^4$), chlorides, sulphates and sulphides.

Zinc, its oxide, chloride, carbonate and sulphate.

Mercury, oxides, chlorides, nitrates, sulphide.

Aluminium, oxide, chloride, sulphate.

Arsenic, hydride, oxides, sulphides.

Antimony, hydride, oxides, chlorides, sulphides.

Tin, oxides, chlorides, sulphides.

Silver, oxide, hydroxide, chloride, bromide, iodide, nitrate and sulphate.

Organic :—

A.—The preparation, typical properties, and structural relationship of the following compounds :—

Methane, ethane, ethylene, chloroform, iodoform.

Methyl alcohol and ethyl alcohol and ether.

Formaldehyde and acetaldehyde acetone.

Formic acid and acetic acid.

Ethyl acetate and methyl acetate.

Acetamide, acetyl chloride, acetic anhydride.

Acetylene.

Methylamine.

B.—The simpler properties of the following :—

Glycerol, oxalic acid, tartaric acid, fats, soaps (and saponification), starch, cane sugar, grape sugar (and fermentation), urea, benzene, nitrobenzene, phenol, aniline, benzoic acid, proteins.

Practical Work.

Students will be examined in Practical Chemistry.

Students are expected to perform the following experiments in the laboratory. An account of each experiment must be written by the student in a special note-book, which will be liable to examination by the examiners. This note-book should be kept in the charge of the laboratory instructor and each account of an experiment should be signed by him. The Principal of a College will be responsible for the production of this note-book when demanded by the proper authorities.

The *practical* course is as follows :—

1. Such practical work as is required for the High School Examination of 1933.

2. Analysis of simple salts soluble in water or hydrochloric acid composed of acids and bases mentioned in the following list :—Ag, Pb, Hg, Cu, Cd., Bi, As, Sb, Sn, Fe, Al, Cr, Ni, Co, Zn, Mn, Mg, Ca, Sr, Ba, Na, K, NH_4, Cl.,

Br, I, ClO_3, SO_4, SO_3, NO_3, NO_2, PO_4, S, CO_3, C_2O_4, acetate (*dry and wet methods*).

3 Preparation and purification of simple salts involving no special difficulty.

4. (*a*) Simple gravimetric experiments, such as change in mass on oxidation of magnesium and on heating barium chloride, sodium bicarbonate, or ferrous ammonium sulphate

(*b*) Simple volumetric estimations, such as the estimation of alkali, acids and alkaline carbonates by titration.

5 Determination of melting and boiling points.

6. Qualitative detection of nitrogen, sulphur and one of the halogens, alone, or together, in an organic compound.

Books suggested—

1 SHENSTONE . Inorganic Chemistry (Arnold)
2 J W. MELLOR Introduction to Inorganic Chemistry (Longmans).
3. ROSCOE AND HARDEN : Inorganic Chemistry for advanced students
4 A Class-book of Organic Chemistry, by J B. Cohen
5 Organic Chemistry, Part I, by Perkin and Kipping (W. and R. Chambers).
6 DONINGTON'S Class-book of Chemistry, Parts 1—4
7 HOLMYARD'S Inorganic Chemistry (Arnold) 6s. 6d.
8 HOLMYARD Practical Chemistry (Bell & Sons, Ltd) 4s
9. OSCROFT . Inorganic Chemistry for Upper Forms (Bell & Sons, Ltd), 6s. 6d.
10. MALVEA : Practical Chemistry for Intermediate Colleges (Indian Press, Ltd., Allahabad). Rs. 2.

Organic :—

A.—The preparation, typical properties, and structural relationship of the following compounds :—

Methane, ethane, ethylene, chloroform, iodoform.

Methyl alcohol and ethyl alcohol and ether.

Formaldehyde and acetaldehyde acetone.

Formic acid and acetic acid.

Ethyl acetate and methyl acetate.

Acetamide, acetyl chloride, acetic anhydride.

Acetylene.

Methylamine.

B.—The simpler properties of the following :—

Glycerol, oxalic acid, tartaric acid, fats, soaps (and saponification), starch, cane sugar, grape sugar (and fermentation), urea, benzene, nitrobenzene, phenol, aniline, benzoic acid, proteins.

Practical Work.

Students will be examined in Practical Chemistry.

Students are expected to perform the following experiments in the laboratory. An account of each experiment must be written by the student in a special note-book, which will be liable to examination by the examiners. This note-book should be kept in the charge of the laboratory instructor and each account of an experiment should be signed by him. The Principal of a College will be responsible for the production of this note-book when demanded by the proper authorities.

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Br, I, ClO_3, SO_4, SO_3, NO_3, NO_2, PO_4, S, CO_3, C_2O_4, acetate (*dry and wet methods*).

3. Preparation and purification of simple salts involving no special difficulty.

4. (*a*) Simple gravimetric experiments, such as change in mass on oxidation of magnesium, and on heating barium chloride, sodium bicarbonate, or ferrous ammonium sulphate

   (*b*) Simple volumetric estimations, such as the estimation of alkali, acids and alkaline carbonates by titration.

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Books suggested—

1 SHENSTONE Inorganic Chemistry (Arnold)

2 J W MELLOR : Introduction to Inorganic Chemistry (Longmans).

3 ROSCOE AND HARDEN . Inorganic Chemistry for advanced students

4 A Class-book of Organic Chemistry, by J B. Cohen

5 Organic Chemistry, Part I, by Perkin and Kipping (W and R. Chambers)

6 DONINGTON'S Class-book of Chemistry, Parts 1—4

7 HOLMYARD'S Inorganic Chemistry (Arnold). 6s. 6d.

8 HOLMYARD · Practical Chemistry (Bell & Sons, Ltd) 4s.

9. OSCROFT : Inorganic Chemistry, for Upper Forms (Bell & Sons, Ltd.), 6s. 6d.

10 MALVEA : Practical Chemistry for Intermediate Colleges (Indian Press, Ltd., Allahabad). Rs. 2.

11. NEWTH : Chemical Lecture Experiments for teachers' use (Messrs. Longmans, Green & Co.) (latest edition). 8*s*. 6*d*.
12. HOLMYARD : Introduction to Organic Chemistry (Arnold).
13. BRUCE AND HARPER : Practical Chemistry, 1925 edition (Macmillan).
14. RANE AND KULKARNI : Practical Chemistry for Intermediate Students (Nand Kishore and Brothers, (Benares).

PHYSICS.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject)

There will be two papers of three hours each as follows :—

1st Paper—Properties of Matter, Heat, and Light.

2nd Paper—Sound, Electricity, and Magnetism.

The following syllabus is recommended :—

General properties of matter.—Fundamental units and their measurement, Principle of Balance, Verniers, Callipers, Screw-gauge, Spherometer, Volume, Density, Specific gravity, Fluid pressure, Principle of Archimedes, Nicholson's hydrometer, Barometer, Boyle's law, Pumps, Siphon, Elementary notions of volume, elasticity, and Young's modulus in the case of solids. Isothermal and adiabatic elasticities of gases. Gravitation, simple harmonic motion. Pendulum. Value of "*g*". Laws of simple machines, such as levers and pulleys. Laws of motion.

Heat.—Temperature. Thermometers. Calorimetry. Specific heat. Latent heat. Expansion of solids, liquids and gases. Vapour pressure. Hygrometry. Change of state. Laws of unsaturated and saturated vapours. Conduction. Convection. Radiation. Reflection and

absorption of heat Isothermal and adiabatic changes. Specific heat at constant volume and constant pressure. Relation of heat to work Determination of J. The steam Engine

Light.—Laws of propagation Reflection and refraction from plane and spherical surfaces. Dispersion. Spectra. Fraunhofer's lines Telescope Microscope. Spectrometer Photometry. Phosphorescence. Fluorescence. Velocity of light Elementary ideas of polarisation of light.

Sound—Transverse and longitudinal waves Nature of sound waves Intensity. Pitch. Quality Mode of propagation Reflection. Refraction Stationary waves Beats Resonance Vibrations of strings and air columns Monochord and organ pipes. Determination o velocity in solids, liquids, and gases Musical scale. The gramophone

Magnetism and Electricity—Magnetisation. Permanent magnets Magnetic induction Unit of magnetism. Magnetic field Lines of force and lines of induction. Tangent A and B positions of Gauss Deflection and vibration magnetometers Magnetic moments Earth as a Magnet Magnetic elements H Declination and Dip and their determinations Electrostatic unit of quantity Coulomb's law of force Electric field. Gold leaf electroscope Surface density Potential Capacity. Leyden jar Capacity of a parallel plate condenser Electrophorus Wimshurst's machine

Voltaic cells Electric current and its magnetic effects. E M. unit of current Galvanometers. Ammeters. Voltmeters Ohm's law and its verification Unit of resistance and Potential difference Specific resistance. Practical and absolute units Determination of resistance. Wheatstone's bridge. P. O Box. Heating effect of current. Joule's law Determination of J.

Electric glow lamp. Electric arcs. Chemical effects of current. Faraday's laws of Electrolysis. Electro-chemical equivalent. Voltameters. Storage cells. Electro-magnetic relations. Electro-magnetic induction. Induction coil. Simple dynamo. Motor. Electric Telegraph. Telephone. Microphone. Thermopile. X-rays.

Books suggested—

1. A Text-book of Physics by R. S. Willows (Messrs. Arnold & Co.).
2. Everyday Physics by H. E. Hadley (Macmillan & Co.,) Rs. 4 .
3. A Text-book of Practical Physics for Intermediate classes, by S. R. Suri (Uttar Chand Kapur & Sons, Lahore).

There will be also an examination in practical work.

The laboratory course is indicated by the subjoined list of experiments. An account of each experiment must be written by the student in a special note-book which will be examined. The account of each experiment should be signed by the Demonstrator, and the books should be kept in his charge.

LIST OF EXPERIMENTS.

Mechanics—

Applications of the Triangle of Forces.
Determination of "g" by the pendulum.
Nicholson's hydrometer.

General properties of Matter—

Measurements of mass by the balance.
Use of the Spherometer.
,, Screw Gauge.
,, Callipers.
Reading the Barometer.

Heat—

Testing fixed points of Thermometers.
Determination of Specific Heats.
,, ,, Latent Heats.

Construction of a graph illustrating the rate of cooling of a liquid.

Verification of Boyle's law.

Determination of the co-efficient of linear expansion.

Determination of the relation between the pressure and temperature of a gas when its volume is kept constant.

Light—

Reflection and refraction of light at plane and spherical surfaces.

Determination of refractive indices.

Focal lengths of mirrors and lenses.

Sound—

Determination of the velocity of sound by resonance.

" the frequency of a fork by sonometer.

Magnetism—

Mapping out lines of force by a small magnet.

Determination of neutral points in a magnetic field.

Comparison of magnetic moments by the magnetometer.

Comparison of magnetic fields by a vibrating magnet.

Electricity—

Variation of magnetic force at centre of a coil with radius, number of turns, and strength of current.

Determination of resistance by the use of Wheatstone's wire bridge.

Determination of resistance by the use of Ammeter and Voltmeter.

Combination of cells in series and parallel

Comparison of electromotive forces by the potentiometer.

NOTE.—The use of stencils in answering questions in Physics is not allowed, but the slide rule may be permitted in the practical examination in Intermediate Physics.

Recommended for teachers' reference library :—

(1) Text-book of Heat, by Stewart and Satterly (University Tutorial Press).

(2) Text-book of Light, by Stewart and Satterly (University Tutorial Press).

(3) Text-book of Sound, by Catchpool (University Tutorial Press).

BIOLOGY.

There will be two papers of three hours each and a practical examination : the first paper on Zoology and the second paper on Botany.

The following syllabus is prescribed. Instructions for the teaching of Biology are appended :—

I.—Zoology.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

A.—Living and non-living matter. The distinctive properties of living matter (protoplasm), and its chemical composition. The structure and life-history of Amoeba and malaria-parasite as examples of the Protozoa. A general conception of the structure and phenomena of the animal cell; direct and indirect cell division. The union of cells to form tissues and the combination of tissues to form organs.

B.—The structure of Hydra as an example of the Metazoa. The principle of the physiological division of labour and the correlated differentiation of structure.

C.—The structure and bionomics of an Indian earthworm, as an example of a segmented animal.

D.—The structure of the cockroach as a type of Arthropoda. A general survey of the life-history of the mosquito and house-fly, and their economic importance.

E.—The general characters of the Chordata.

F.—The general anatomy, histology, and physiology of the various systems or organs in the frog.

G.—An elementary knowledge of the anatomy and osteology of the rabbit or other common mammal. The brain and eye of the sheep, and the skull of the dog may be substituted for those of the rabbit.

H.—A general classification of the animal kingdom with the characteristics of the principal phyla.

I.—Reproduction, sexual and asexual, ova and *spermatozoa*; *oogenesis and spermatogenesis*. *The elementary* facts of the fertilisation and segmentation of the ovum, the outlines of the development and larval history of the frog, the three primary germ-layers and the organs derived from them.

II.—Botany.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

A.—The structure and germination of seeds, the morphology of the root, stem and leaf. The chief types of floral structures. The chief types of infloresceno and the common types of fruits.

B.—The parts of a typical vegetable cell, the cell contents and their microchemical reactions, the division of a cell, the chief types of plant tissues. A comparative study of the internal structure of the root, stem and leaf of the Angiosperms. The structure of the reproductive organs of the Angiosperms.

C.—The structure of Bacillus subtilis and the modes of nutrition among the Bacteria.

D.—The structure, physiology, and life-histories of Ulothrix, Spirogyra, Mucor and yeast.

E.—The structure and life-histories of a moss and a fern, and the phenomenon of alteration of generations.

F.—The life-history of Angiosperms. General structure of flowers and fruits, recognition and economic importance of the following families :—

Cruciferae, Malvaceae, Leguminosae, Compositae, and Liliaceae.

G.—An outline of the classification of the vegetable kingdom to illustrate grades of structure and methods of reproduction.

H.—Elementary plant physiology; stability of the plant body, the usual constituents of plant food; *assimilation*; *transpiration*; *respiration*; the main facts about growth; the chief types of movements.

Practical Work.

Students are expected to keep a record of all practical work in a special laboratory sketch-book, which will be liable to examination by the examiners. The laboratory instructors should sign the result of each day's practical work.

A.—The microscopical study of Amoeba and Hydra; the study of Hydra by means of transverse and longitudinal sections.

The general dissection of the earthworm, cockroach, and frog; *life-history of the mosquito*; a microscopical study of the chief animal tissues from fresh or prepared preparations of muscle, nerve, cartilage, bone, blood, and connective tissue; the microscopical study of the earthworm by means of fresh preparations and transverse sections; a microscopical examination of the kidney, liver, spinal cord, stomach, ovary, and testis of the frog. The skeleton of the frog.

The osteology of the rabbit (the skull of the dog may be substituted for that of the rabbit) and the dissection of the alimentary, vascular, and reproductive systems of the rabbit or squirrel or rat.

B.—The dissection of plants and parts of plants; the preparation, simple staining and study of microscopical sections of plants A practical study by microscopical examination and otherwise of Spirogyra, Ulothrix, bacteria, yeast, Mucor, a moss, a fern, and the vegetative and reproductive organs of Angiosperms treated in an elementary manner

The description of a flowering plant and its parts in semi-technical language

(Where fresh material cannot be obtained recourse should be had to prepared specimens.)

Text-books suggested :—

1. PARKER and BHATIA . Elementary Course of Practical Zoology. (Macmillan.)
2. HOLMES . Biology of the Frog. (Fourth edition)
3. MARSHALL and HURST : Practical Zoology. (Murray)
4. RANGACHARI . Handbook of Botany for India. (Varadachary and Company, Madras, 1925.)
5. GAGER : Fundamentals of Botany (Blakiston.)
6. HUXLEY Elementary Physiology. (Macmillan.)
7. SHIPLEY . Life. (Macmillan)
8. TRANSEAU . General Botany. (World Book Company, New York.)
9. BAHL, K. N. : Indian Zoological Memoirs. I, Pheretima (Methodist Publishing House, Lucknow, 1926) Re 1-8-0
10. SMITH, OVERTON and OTHERS : Text-book of General Botany (second edition) (Macmillan and Company)

APPENDIX.

Instructions for the teaching of Biology.

1. The teacher must consider the purpose for which he teaches Biology—to prepare students for the university, for medical and forest colleges, and for more intelligent and more joyful living. Biology deals with the world of life surrounding the student, and every effort should be made to present Biology as a living subject, rather than as a vast mass of unrelated and (to the students) often meaningless facts to be memorized.

2. Teachers may take more liberty in teaching Biology than has been considered possible in the past. They should feel that they are not too rigidly bound by the syllabus. Much of what is commonly accepted as the interpretation of the syllabus, and as the proper content of Biology, is a tradition from the past. Teachers may, to a much larger extent, determine for themselves what they are to regard as the proper things to include in their teaching, and the proper emphasis to be given to these things, the syllabus will then become a friendly guide.

3. The syllabus is a record of work that ought to be covered, and the teacher may take up the various topics in whatever order he thinks best.

4. The additional items in the new syllabus are not intended to enlarge the syllabus, but to shift the emphasis given to the various parts of it. For instance, it is not intended that the cockroach shall be studied in minute detail, but that it shall be made the basis for acquaintance with the great assemblage of arthropods. The mosquito is to illustrate metamorphosis, and is used because of the great importance of mosquitoes to man, because it can be observed anywhere, and because it can be readily reared in the laboratory. The mosquito

is to illustrate also the carrying of disease by insects, and the malaria-parasite is an illustration of a disease producing organism transmitted by an insect. The economic and bionomic importance of these animals is to be emphasized, rather than complete details of their structure.

Likewise, it is intended to allow considerable freedom to the teacher by permitting the use of mammalian types that are most readily available. The purpose is to become acquainted with the characteristic features of mammalian anatomy, rather than with minute details of one animal only, to the exclusion of all others.

In Botany more emphasis should be put on what plants do, and how they work, than on extensive study of various growth forms, which have little meaning for the students unless correlated with the great problems of plant economy Moss is added to the syllabus as a simple clear, and easily accessible plant illustrating sex organs and alteration of generations; it should be treated from this point of view, and no effort should be made to consider its anatomy in the detail usually regarded necessary in the fern.

DRAWING.

There will be two papers, each of three hours' duration: the first paper on Solid Geometrical Drawing and the second paper on Free Arm Memory Drawing.

Syllabus—

Free Arm.—In Pastels on Tinted Paper or Water Colours on white Cartridge paper.

Progressive work in groups of the common objects listed for High Schools such as—

Plate of Oranges, Tomatoes, and Bananas; Candlestick and Matches, Ink-pot and Pen, Gloy Bottle and

Brush; Bundles of Fire-wood; Glass of Water or Milk, Chinese Lantern, Liquids in Bottles; Umbrellas, etc.

Nature Study Advanced.—The more difficult Flowers Bunches of Flowers, Leaves with Fruit and Flowers, Compound Leaves.

The above, which is but suggestive, will involve instruction in the art of blending colours, colour harmonics, colour schemes and shadows, together with technicalities such as tint-softening, blending, direct colouring, light tint on dark and dark on light, use of opaque colours and backgrounds.

Memory Drawing (*a*)—Object such as listed above which may be placed before students for a limited period, after which the object shall be taken away and the drawing made.

(*b*) The drawing of some familiar and common objects entirely from memory.

A number of small objects may be placed once a week on a covered up tray, exposed, say, for ten seconds, and the class be asked to write down as many objects as they remember to have seen.

Text-books recommended.—Pastel work, vols. I and II, by H. A. Rankin (Messrs. Isaac Pitman & Sons). Price Rs. 4 per vol.

Materials —As for the High School Examination of 1933 (Free Arm.)

Geometrical —Solid Geometry, simple solids, plans, elevations, sections and sectional elevations of such, isometric and orthographic projection, elementary perspective drawing, and all forms of Plain and Diagonal Scales.

Text-books and Materials.—As for the High School Examination of 1933 (Geometrical).

ECONOMICS.

There shall be two papers of three hours each. The first paper shall cover Production, Consumption and Taxation, and the second paper Exchange and Distribution.

Introductory.

Subject-matter. Relation to other sciences. The development of Economic life.

Production.

Relation between wants and production. The factors of production.

Land —Natural resources of India. Soil and Climate. Sources of power. Raw materials.

Labour —Density and distribution of population in India Health and vital statistics. Occupations.

Capital (fixed and circulating).—Buildings and machinery Means of communication and transportation in India. Irrigation

Organization (management plus enterprise) —Combination of the factors of production in village industries and in factories. Efficiency of the factors of production. Different uses and how efficiency increases. Efficiency of labour increased by education Division of labour and specialization of machinery Large scale production and its limitations Diminishing and increasing returns. Development of industrial organization Its relation to means of transportation. Accompanying changes in rural industries and in agriculture in India. Extensive and intensive cultivation.

Exchange.

Barter —Conditions of barter. How both parties gain in utility by exchange.

Exchange by sale and purchase. Demand and supply schedules and curves. Balancing of demand and supply in a local market. Relation of price to expenses of production. Changes in the expense of production. The development of markets. Causes of the extension of markets. India's imports and exports.

The *machinery of exchange*. *Money*. Kinds and functions of money. Standard and token coins. Monetary standards (single and double). Gresham's law. Convertibility of paper money in India. Credit and Credit Instruments. Hundies and Cheques. Main types of Indian banks and their functions. The *sahukari* and *sarafi* systems. All the above should be illustrated by Indian examples. (*Foreign exchanges and the history of Indian currency and banking are excluded.*)

Dist ibution.

The problem of distribution.

Rent.—The law of rent as applied to India. Land tenure in the United Provinces.

Salaries and Wages.—Real and money wages. Wages as determined by supply and demand of labour. The standard of living. Mobility of labour in India. Influence of social customs.

Interest.—Net and gross interest. Mobility of capital in India. Principles of co-operative credit and its advantages for India.

Profits.—As the reward of enterprise. The field for enterprise in India.

Consumption.

Utility.—Marginal and total utility. Law of diminishing utility. Law of demand. Elasticity of demand.

Satisfaction as the end of all economic activity. Wants and their classification. Division of income among different items of expenditure. Family budgets.

Relations of saving to spending. The social side of spending.

Taxation.

A description of the taxes and other sourcs of revenue and items of expenditure of the Imperial Government, of the United Provinces and of the District Boards and Municipalities of the United Provinces; simple distinction between direct and indirect taxes. (Nothing of the theory of taxation is to be taught)

NOTE —Candidates may be required to draw charts, graphs and maps in the writ'en examination, to frame budgets and analyse them, and to solve problems relating to costs of production.

The following books should be consulted —

1 *Carter and Carmichael.*—Elementary Economics. (Revised edition) (Ginn & Co.)

2 *Moreland* —Introduction to Economics for Indian students. (Macmillan & Co)

3 India in 1929-30 (the latest edition of the publication available in July, 1931, being recommended), published by the Central Publicity Office. (Chapters dealing with economic progress only are to be read.)

4 *P. Banerjee* —A study of Indian Economics (third edition, 1928). (Macmillan & Co)

5. The chapter on the United Provinces in the appendix to the Report of the Royal Commission on Agriculture.

6. *E. C Bhatty.*—A handbook of practical and written work in Economics. (Indian Press, Allahabad)

Teachers should also consult—

1. *V. G. Kale* —Indian Economics. (Aryabhusan Press, Poona.)

2. *Marshall.*—Economics of Industry. (Macmillan & Co.)

3. *Clay.*—Economics for the General Reader. (Macmillan & Co.)
4. *Jack.*—Economic Life of a Bengal District. (Clarendon Press, Oxford.)
5. *Mann.*—Life and Labour in a Deccan Village. (Oxford University Press.)
6. *B. G. Bhatnagar.*—Bases of Indian Economy. (Ram Narain Lal, Allahabad).
7. *Lettice Fisher.*—Getting and Spending. (Collins's Clear Type Press, London.) 3s. 6d.
8. *Jathar and Beri.*—Indian Economics (2 volumes) (Oxford University Press.)
9. *Fairchild.*—Elements of Economics.
10. *F. H. Robinson*.—Elements of Economics, Books I and II.
11. *J. P Singhal*.—Elements of Economic Principles. (University Book Dépôt, Agra.)
12. *Thomas.*—Element of Economics. (The Gregg, Publishing Co.).
13. Report on an enquiry into working class budgets in Bombay by G Findlay Shirras. (Government of Bombay Labour office.)
14. *R. K. Mukerjee.*—Rural Economy of India. (Longmans, Green and Co.)

Teachers should give facts and figures from the latest edition of the Indian Year Book ("Times" Press).

Practical Work.

Teachers should take out students to study small industries, markets, and conditions of living in both city and country. The principles should be illustrated from these studies. The following is the

minimum amount of practical work that should be done by students :—

(1) Two budgets of consumption : one of an artisan, one of a cultivator, if possible, with the student's own suggestions for improvement

(2) Two statements showing the expenses of production, for one month, or a longer period, or for a fixed quantity of product, of two small industries, with suggestions for the improvement of the industry

(3) Four diagrams illustrating the above four statements

(4) Two maps representing economic conditions in India or parts of India

Written Work.

Teachers should insist on as much written work as possible. The following methods are suggested :—

NOTE.—Teachers should not usually dictate notes, but should require students to write out their own notes after each lecture from rough notes taken in class and from memory. These notes should be inspected and corrected by the teacher

Questions.—At the beginning of the lecture period teachers should frequently give out a single question on the work of the day before and allow the student 5 or 10 minutes to write out the answer, which should be corrected and returned to the students.

Essays.—Occasional essays may be assigned

The following written work is the minimum to be done by each student :—

(1) Two long examinations of at least 2½ hours each or six one-period tests, or one such examination and three such tests

(2) Ten questions set in class to be answered in about ten minutes each.

(3) Two essays of about ten pages, or four essays of about five pages. (One long essay and two short essays are advised.)

In the case of *private candidates*, double the number of essays *plus* a description of a market or fair and of a cottage industry or a co-operative society may be submitted in place of items no. (1) and (2) of the written work.

CIVICS.

There will be two papers of three hours each: the first paper on Civic Theory and the second paper on Indian Civics.

Paper I—Civic Theory.

Syllabus—

Nature of society. The state in relation to society. Functions and structure of government, forms of government. The place of local institutions in political life. Meaning of citizenship. Benefits from society, state or local institutions to the citizen. Duties and rights of citizenship. A citizen's participation in the life of his town, his province, his country. A citizen's relations with non-political associations like the colleges, clubs, religious organizations, co-operative societies, etc.

Books recommended:—

1.	Raleigh ..	Elementary Politics. (Oxford University Press.)
2.	Lay	Citizenship.
3.	Sir Henry Jones..	Principles of Citizenship.
4.	S. V. Puntambekar	An Introduction to Civics and Politics. (The Indian Press, Limited, Allahabad.)

Paper II.—Indian Civics.

Syllabus—

Structure of Indian government, central and provincial. Working of Indian government. Indian municipalities, district boards, village institutions, with particular reference to those of the United Provinces of Agra and Oudh. Education in India Indian social life. Cultural movements in Modern India. National movements in modern India.

Books recommended·—

1. Marris and Garner Civil Government.
2. G. Anderson .. British Administration.
3 S. M. Bose .. Working of the Indian Constitution (Oxford University Press.)

HISTORY AND ALLIED GEOGRAPHY.

Candidates may choose from the following groups of two papers each, each paper being of three hours.

N B —Candidates are expected to draw free hand maps of India and Great Britain and Ireland

Group A.

Paper I.—Indian History from the earliest time to 1919.

Paper II—British History. 1485—1919.

Group B.

Paper I.—Indian History from the earliest time to 1919.

Paper II.—European History, 1453—1919.

Alternative groups of books recommended for Paper I under Groups A and B —

Group A.

Srinivasachari and Ramaswami Aiyangar: A History of India, Parts I, II and III. (Srinivas Varadachari & Co., 4, Mount Road, Madras).

or

Group B.

1. Imperial Gazetteer, Vol. II.
2. LANE-POOLE, S.: Mediaeval India (Story of Nations Series). (T. Fisher Unwin, Ltd.)
3. ROBERTS, P. E.: Historical Geography of the British Empire, Vol. VII, Parts I and II. (Clarendon Press, Oxford.)

or

Group C.

1. AIYANGAR, R: Pre-Musalman India. (Longmans, Green & Co.)
2. GARRETT AND KOHLI: The Muhammadan Period. (Longmans)
3. RUSHBROOK WILLIAMS: The British Period. (Longmans)

Books recommended for Paper II under Group B—

1. RAMSAY MUIR: Atlas of European History.
2. A. J. GRANT: History of Europe. (Longmans, Green & Co)
3. THATCHER and SCHWILL: History of Europe. (John Murray, London)
   J. H. ROBINSON: History of Western Europe. (Ginn & Co, Boston, New York, U. S. A.)

Books recommended for Paper II under Group A—

1. WARNER and MARTEN: Groundwork of English History (Blackie & Son, Ltd.)
2. TOUT, T. F. History of Great Britain III. (Longman's Green & Co.)
3. R B MOWAT: A new History of Great Britain. (Oxford University Press)
4. S. R. GARDINER: A School Atlas of English History (Longmans, Green & Co.)

HISTORIES OF GREECE AND ROME AND ALLIED GEOGRAPHY.

There will be two papers of three hours each

Paper I.—History of Ancient Greece.

Books recommended :—

1. EDMONDS, C. D : Greek History for Schools. (Cambridge University Press)
2. J. B. BURY : Greek History for Beginners.
3. E. ABBOT : Pericles (G Putnam & Sons)

Paper II —History of Ancient Rome up to 476 A. D.

Books recommended :—

1. BRYANT, E. E. A Short History of Rome. (Cambridge University Press)
2. SHUCKBURGH : Augustus.
3. SHUCKBURGH : A Short History of Rome for Beginners

GEOGRAPHY.

There will be two papers of three hours each The first paper will contain questions on Part I of the syllabus and the second paper on Parts II and III of the syllabus.

Syllabus.

I.—World Geography with intensive study of the regional Geography of Eurasia and North America *compared*, or of the three southern continents compared.

Note —*Teachers will be expected throughout to develop the human* side of Geography including the relations of Geography and History

II —Study of the survey map with special reference to 1: $\frac{1}{1,000,000}$ Survey of India and Adjacent Countries Series, sheet no. 43 (Srinagar) or no 52 (Leh), or no 53 (Delhi and Simla), also 1 inch Survey of India Map no 63K/12 Study of the principles of the chief map-projections, such as, Cylindrical (Mercator), Orthographic, Stereographic, Spherical, Conical, Elliptical (Mollweide) Study of the weather maps for the months

of January, 1932, and July, 1932, published by the Meteorological office, Simla, and of other distribution maps.

The work should show that outdoor geographical studies including practical map-work have formed a feature of the course.

III.—Economic Geography with special reference to India. The world position of India: its natural resources, its economic development. The general relation between geographic factors and the production of the major raw materials and food-stuffs. Sources of power. Factors affecting transport, exchange of commodities, and the localization of major industries.

The world distribution of the following vegetable products:—

Wheat, rice, tea, coffee, vine, cotton, jute, sugar, rubber, tobacco. Conditions of their growth.

Books recommended.—

I.—Russell: North America (Oxford). 10*s.* 6*d.*

Rodwell-Jones and Bryan: North America (Methuen). 12*s.*

Dawson North America. Vol. I (Stanford). 15*s.*

Gannett: North America Vol. II (Stanford). 15*s.*

Keane: Asia. Vols. I and II (Stanford). 15*s* each

Chisholm: Europe. Vols. I and II (Stanford). 15*s.* each.

Keane: Central and South America. Vols. I and II (Stanford) 15*s.*

Keane: Africa. Vols. I and II (Stanford) 15*s.* each.

Mackinder: Britain and the British Seas (Oxford Press). 10*s.* 6*d.*

George : Relations of History and Geography. (Oxford.) 5*s*.

Little : The Far East (Oxford). 10*s*. 6*d*.

Griffith Taylor : Australia—Physiographic and Economic. (Clarendon Press) 3*s*. 6*d*.

McMunn and Coster : A Regional Geography of Europe. (Oxford) 4*s*. 6*d*

Unstead and Taylor : Regional and General Geography for Students. (Philip.) 7*s* 6*d*

Leonard Brooks : New Regional Geography, Book IV. The World (London University Press) 7*s* 6*d*.

} May be used as text-books by the students.

II.—Esson and Philip : Map-reading Made Easy. (Philip) 3*s*. 6*d*.

Dickson : Maps, how they are made, how to read them. (Bacon) 6*d*

Young and Fairgrieve : A class-book of Practical Geography. (Philip) 2*s*. 6*d*.

Simmons and Richardson : An Introduction to Practical Geography (Macmillan.) 4*s*.

Unstead: Practical Geography (Oxford Press). 4*s*.

Mort : An Elementary Practical Geography (Blackie). 2*s*. 6*d*

Davis Elementary Meteorology (Ginn). List price, $2 50.

III —Chisholm . Commercial Geography (Longmans). 25*s*.

Curr : Commercial Geography (Black). 4*s*.

Lyde : Man and His Markets (Macmillan). 3*s*.

Herbertson . Man and His Work 1*s*. 6*d*.

Goodchild Geography and Man (Ram Narain Lal, Allahabad) Rs. 2

Statesman's Year Book (Macmillan). 20*s*. } Every two or three years.
Whittaker's Almanack. 4*s*. } Every two or three years.

Indian Year Book. ("The Times of India" office). Rs 5-4-0. To be used as a text-book.

Imperial Gazetteer of India. Vols. III and IV (Oxford.) 7*s*. 6*d*. each.

Atlas of Commercial Geography (Cambridge University Press). 3*s*.

The Oxford Economic Atlas (Oxford Press). 6*s*.

Additional reference books :—

Lake : Physical Geography (Cambridge University Press). 12*s*.

Salisbury : Physiography for Schools. Shorter Course. (Murray) 6*s*.

Davis Elementary Physical Geography (Ginn) 5*s* 6*d*.

Tarr Elementary Physical Geography (Macmillan). 7*s* 6*d*.

Mill : The Realm of Nature (Murray). 5*s*.

Philip's sets of maps of the various continents and of India, *with explanatory handbooks*.

Philip's sets of synthetic maps (for students' use). 1*s*. per packet.

Philip's Modern School Atlas of Physical, Political and Commercial Geography. 7*s*. 6*d*.

LOGIC.

There will be two papers of three hours each : the first paper on Deductive Logic and the second paper on Inductive Logic.

Deductive Logic.

The following syllabus is prescribed :—

Definition, scope, and value of Logic Nature of thinking The laws of thought The relation of thought and language. Terms and their classification. Denotation and Connotation of terms. The predicables. Formal division and definition. Propositions, their import Reduction of statements to logical form. Distribution of terms. Nature and forms of inference. The opposition of propositions and various forms of deduction. The syllogism, its figures and moods. Reduction, direct and indirect. Hypothetical, disjunctive and mixed syllogisms. The Dilemma, Enthymeme. Sorites and Epicheirema Function and value of syllogism Analysis of deductive arguments Fallacies.

Inductive Logic.

The following syllabus is prescribed —

The nature and presuppositions of inductive inference.' Causation, its significance and importance in induction Observation and experiment Classification, nomenclature and terminology Hypothesis Imperfect induction—simple enumeration and analogy. Methods of scientific induction The deductive method of investigation Analysis of inductive arguments and application of inductive methods Explanation and establishment of law, The relation of induction to deduction. Fallacies

Books recommended (*not prescribed*) to indicate the standard of treatment of the topics prescribed in the syllabus .—

1 Introductory Text-book of Logic S H Mellone (Blackwood and Sons, Edinburgh).
2. Intermediate Logic . Welton and Monahan. (University Tutorial Press, London).

3. Elementary Logic, Deduction and Induction: Diwan Chand. (Narayan & Co., Meston Road, Cawnpore.)

4. Inductive Logic : P. K. Ray.

A MODERN INDIAN LANGUAGE.

Hindi.

There will be three papers, each of three hours' duration : the first paper will be set on the prescribed Poetry and Alankar, the second paper on the prescribed Prose and Drama, and the third paper on Unseen and Composition. Questions on History of Hindi literature and critical questions will be distributed over the first and second papers.

Paper I.—Poetry and Alankar.

Text-books prescribed :—

1. Padya Ratna Sangrah (Sahitya Ratna Bhandar, Agra).
2. Din Dayal Giri.—अन्योक्ति कल्पद्रुम (Nagari Pracharini Sabha, Benares.)
3. वक संहार and वन वैभव (Sahitya Sadan, Chirgaon, Jhansi). Annas 8.

Paper II.—Prose and Drama.

Text-books prescribed :—

1. Jai Shankar Prasad—अजातशत्रु (revised edition). (Bharati Bhandar, Benares).
2. Shyamsundar Das—गद्यकुसुमावली (Indian Press, Allahabad).
3. Premchand—प्रेम द्वादशी (Saraswati Press, Benares) or रूपक रत्नावली by Ram Chandra Verma (Sahitya Ratnamala Karyalaya, Benares.

Paper III.—Unseen and Composition.

Books recommended for Alankar and History of indi Literature :—

1. Ram Ratna—अलंकार प्रबोध (Ratnasram, Agra.)
2. रसरंजन by Ram Chandra Sukul, 'Saras' (Ram Narain Lal, Bookseller, Allahabad).
3. Badri Nath Bhatta—हिन्दी (Ganga Pustak Mala, Lucknow.)
4. Kaye—Hindi Literature (Heritage of India Series)
5. Lala Bhagwan Din—अलङ्कार चन्द्रिका (Benares).
6. Rama Shankar Prasad—हिन्दी साहित्य का संक्षिप्त इतिहास (Lala Ram Narain Lal, Allahabad).

The following books are recommended for supple-entary reading :—

1. Tulsidas—कवितावली (N. P. Sabha, Benares.)
2. Shridhar Pathak—एकान्तवासी योगी (Padmakot, Allahabad.)
3. Satya Jiwan Verma—चित्रावली (Ram Narain Lal, Bookseller, Allahabad).
4. Ramchandra Shukla—शशाङ्क (N P. Sabha, Benares)
5. Viyogi Hari—अन्तर्नाद
6. Pratap Narayan Misra—निबन्ध नवनीत (Abhyudaya Press, Allahabad.)
7. Padum Lal Bakshi—पञ्चपात्र (Gandhi Hindi Pushtak Bhandar, Allahabad.)
8. Kali Das Kapur—साहित्य समीक्षा (Indian Press, Allahabad).
9. Narottam Das Swami—मीरा मंदाकिनी (University Book Dépôt, Agra).
10. Dr. Lakshman Swarup—मौलियर (Saraswati Asram, Lahore).

N.B.—Students are expected to read at least three books out of those mmended for supplementary reading.

Urdu.

There will be three papers in this language, each of three hours' duration ; the first paper will be set on the prescribed Prose, the second on the prescribed Poetry, and the third on Unseen and Composition. Critical questions will be set in the first and second papers.

Paper I.—Prose and Grammar.

Books prescribed :—

(1) سخندان پارس حصہ اول محمد حسین آزاد from page 2 یورپ میں علم زبان کیسے up to page 54 ending with قلعا قمعہ باشد

(2) آبحیات نظم اردو کی تاریخ محمد حسین آزاد from موتیوں سے بھی دیکی up to فلسفہ یونان کہتے ہیں

(3) شعرالعجم حصہ ۴ باب اول شاعری کی حقیقت شبلی نعمانی the whole of the 1st Chapter.

(4) مضامین سر سید (*a*) تعصب (*b*) تعمیل (*c*) امید کی خوشی (*d*) سراب حیات (*e*) خود غرضی (*f*) انسان کے خیالات (*g*) بحث و تکرار (*h*) اپنی مدد آپ (*i*) اخلاق (*j*) خط و کتابت

(5) نذیر احمد - ڈاکٹر رویائے صادقہ (فصل اول تا ششم و ہشتم تا دہم)

Grammar— علم بیان و علم بدیع

Book recommended.—Majma-ul-Fawaid, by Maulvi Syed Hamid Ali (Rai Sahib Ram Dayal Agarwala, Allahabad).

Paper II.—*Poetry and Grammar.*

(۱) سودا - آیا عمل میں تیغ سے تیری جو کارزار
سودا - اب سامنے میرے جو کوئی پیر و جواں ہے
(شہر آشوب)

Omit lines 14, 15, 16, 20, 48, 49, 57, 58, 62, 63, 76, 77, 78, 86, 94.

(۲) ذوق - ساون میں دیا پھر مہ شوال دکھائی
ذوق - واہ وا کیا معتدل ہے باغ عالم کی ہوا
(۳) منیر - آئینۂ سخن کے لیئے ہو گہر آب میں
(۴) امیر - فصل گل آئی ہوا گلزار جنت بوستاں

(۵) انیس – یارب چمن نظم کو گلزار ارم کر

(٦) وحید – اے قلم دامن کاغذ پہ گہر ریز ہو پھر

(۷) سرور جہان‌آبادی – حسرت دیدار – بیربہوٹی

(۸) – چکبست
- خاک ہند
- سیر دہرہ‌دون
- گوپال کرشن گوکھلے
- رامائن کا ایک سین

(۹) – اقبال
- شمع و شاعر
- تصویر درد
- گورستان شاہی

(۱۰) جوالا پرشاد برق – مثنوی بہار (از گلدستہ پنچ)

The first 7 Ghazals from the first diwan of each of the following poets :—

(۱۱) مصحفی – وزیر – صبا – رند

Grammar .— علم بیان و علم بدیع

Book recommended.—Majma-ul-Fawaid by Maulvi Syed Hamid Ali (Rai Sahib Ram Dayal Agarwala, Booksellers, Katra, Allahabad)

Paper III.—Unseen and Composition.

The following books indicate the standard of the passages to be set :—

1. مرزا رسوا – شریف زادہ (National Press, Allahabad)
2. چکبست – مضامین چکبست (Indian Press, Allahabad).
3. الیاس برنی – حکایات تجارت حصہ اول (ترتیب جدید)
4. ادبی خطوط غالب by Mirza Muhammad Askari (Newal Kishore Press, Lucknow).

There will be three papers in each of the following languages Each paper will be of three hours; the first paper will be set on the prescribed Poetry and Drama, the second on the prescribed Prose, and the third on Unseen and Composition Critical questions will be set in the first and the second papers :—

Bengali.

Poetry.

1. *Kirtibas.*—Ramayan, Ajodhya Kanda.

2. *Rabindra Nath Tagore.*—Naivedya (Viswa Bharati Series).

3. Karnarjuna (drama) by Aparesh Chandra Mukhopadhyaya (Guru Das Chatterji and Sons, Calcutta). Re. 1-8.

Prose.

1. *Bankim Chandra Chatterji.*—Durgesh Nandini (novel)

2. *Ishanchandra Ghosh*—Jatak, Volume I (nos. 1—25 and introduction).

3. *Hara Prashad Sastri*—Bharat Mahila.

Composition.

Rakhal Das Vidyaratna.—Bengali Composition. (Recommended.)

Marathi.

Paper I, Poetry.—

1. 'संगीत शारदा नाटक', by Deval.

2. Selections from Tukaram, as published in the latest edition of "Navnit."

Paper II, Prose—

1. Ragini (novel), volumes I and II, by Vaman Malhar Joshi (Manoranjak Grantha Prasarak Mandali, Bombay).

(2) "Ashoka-Charitra," by Vasudeo Govind Apte, published by the Manager, "Anand," Poona City. Re. 1-8.

Paper III, Unseen and Composition.—

Books recommended—(1) मराठी वाक्प्रचार पद्धती by Vidyadhar Vaman Bhide (Chitra Shala Press, Poona City).

(2) मराठीचे व्याकरण in two volumes, by G. G. Majumdar, teacher, Sangli High School, Sangli.

GUJARATI.

Paper I.—Poetry and Drama—

(1) "Kavyamadhurya," selected by H. G. Anjaria.

(2) "Jaya-ane-Jayant," by N. D Kavi.

Paper II.—Prose—

(1) "Kavijivan," by Navalram (Naval Granthavali, Part I).

(2) "Sarasvatichandra," Part II, by Govardhanram M. Tripathi (N M. Tripathi, Bombay). Chapters I—V, pages 1—136, 4th edition).

(3) "Kavita-ane-Sahitya," by Sir Ramanbhai M. Nilkanth, *Vol. I (pages 1—72). (Gujarat* Vernacular Society edition, Ahmedabad).

Paper III —Unseen and Composition.

No special recommendation.

A MODERN EUROPEAN LANGUAGE.

There will be three papers of three hours each The first paper will consist of extracts from the prescribed Text-books, together with grammatical questions. The second paper will contain Unseen passages for translation from French into English, these passages are not to be taken from the prescribed Text-books. The third paper will consist of a passage or passages of English prose to be translated into French

French.

Prescribed Text-books —

1. Erckmann-Chatrian . Le Conscrit.

2. Michaud : Conteurs Francais d'aujourd'hui (Heath).

3. French poetry for advanced students by A. Watson Bain (Macmillan & Co.), of which poems numbered 2, 15, 23, 24, 30, 34, 35, 38, 43, 57, 61, 75, 102, 108 and 116 are prescribed.

Grammar recommended :—

French Grammar (Sonnenschein's Parallel Grammar Series) *or* Heath's Modern French Grammar (Harrap).

Books recommended for rapid reading :—

La Bastide Rouge (Elie Berthet), La Rose Blanche (Louis Enault) and La Vie de Polichinelle (Octave Feuillet), all of Siepman's French series (Macmillan & Co.).

Book recommended for French Composition :—

Easy steps in French Composition by Horsley and Bonne (Rivington).

A CLASSICAL LANGUAGE.

There will be three papers of three hours each in each of these languages : the first paper will be on Poetry and Drama, the second paper on Prose and Unseen, and the third paper on Grammar, Composition and Translation into the classical language. Questions in Grammar relating to the text may be included in each of the first two papers, the number of marks assigned to such questions in each paper being not more than 20 per cent. of the total in the case of Sanskrit only.

(a) Sanskrit.

Paper I.—Poetry and Drama—

(a) Raghuvamsha, Canto XIII (as in Astapuspiki by Nilkamal Bhattacharya or in any other edition).

(b) Shakuntala, Act IV (as in Astapuspiki by Nilkamal Bhattacharya *or in any other edition*).

NOTES.—1 Students are expected to explain selected passages in their own Sanskrit.

2. No Prakrit passage shall be set for the examination.

Paper II.—Prose and Unseen—

(a) Prose—Chandrāpīdā Charitam (the story of Kadambari written concisely in Bana's own words), by Pandit V. Anantcharya, published by the editor in 1917, Nungambakkam,

Madras, and printed at the Law Printing House, Mount Road, Madras, price annas 6.

(*b*) Unseen—

1. रामायण संग्रह by Vanshidhara Sastri, Lucknow.

2. Harish Chandra, pages 110—148, of Manohara Kāwyamāli, selected by Pandit Kailash Nath (Messrs. Moti Lal Banarsidas, Lahore).

NOTE.—Easy passages from the abovementioned books and similar passages from other similar books should be set for translation.

Paper III.—Grammar, Composition and Translation.

Books recommended :—

1. Apte's Guide to Sanskrit Composition.
2. Kale's Higher Sanskrit Grammar.
3. Vidyā Bhūshan's Sanskrit Grammar.
4. Bhandarkar's Second Book of Sanskrit.
5. Sanskrit Vyākaraṇa Praveshikā, by Babu Ram Saksena (National Press, Allahabad).
6. Sanskrit Second Book, by Professor Ram Behari Lal, D. A.-V. College, Cawnpore.

In addition to the course in Grammar prescribed for the High School Examination of 1933 the course in Grammar for the Intermediate Examination of 1933 shall consist of the following :—

The remaining declensions of all nouns and pronouns, conjugations of verbs of frequent occurrence in classical literature of all the *ganas* in all the *lakāras*, the use of *kārakas*, the *samāsas*, and the *krit* and *taddhita* forms.

N.B.—Sanskrit must be written in Devanāgari character.

(*b*) Arabic.

Paper I.—Poetry and Unseen.

Text :—

(*a*) حسان بن ثابت

عفت ذات الاصابع فالجواء — ۱

هل رسم دارسة المقام يباب — ۲

عرفت ديار زينب بالكثيب — ٣
صلى الاله على الذين تتابعوا — ٤
الا والله ماتدري هذيل — ٥
والله انالانفارق ماجدا — ٦
وشق له من اسمه كي يجله — ٧
مابال عيني لا تنام كانما — ٨
اليت حلفة بر غير ذي دخل — ٩
تاوبني ليل بيثرب اعسر — ١٠
اظن عيينة اذ زارها — ١١
الا يالقوم هل لماحم دافع — ١٢
اعرض عن العوراء ان اسمعتها — ١٣
لقد جدعت اذان كعب وعامر — ١٤
اذالله حيا معشرا بفعالهم — ١٥
ذهبت بابن الزبعري وقعة — ١٦
ولقد بكيت و عز مهلك جعفر — ١٧
لقد ورث الضلالة عن ابيه — ١٨
ابا لهب ابلغ بان محمدا — ١٩
الله اكرمنا بنصر نبيه — ٢٠
هل المجدالا السودد العود والندى — ٢١
ايك بكت عيناك ثم تبادرت — ٢٢
اليين اذالان العشير فان تكن — ٢٣
و بيثرب تعلم اننا بها — ٢٤
و ممسك بصداع الراس من سكر — ٢٥
ابلغ هوازن اعلها و اسفلها — ٢٦
سقتم كنانة جهلا من عداوتكم — ٢٧
لو خلق اللوم انسانا يكلمهم — ٢٨
ثوى بمكة بضع عشرة حجة — ٢٩

(b)	شعرالنصرانيه	Page.	No. of lines.	Poet.
(1)	اذكر حاجتي ام قد كفاني	220	9	امية ابن الصلت
(2)	الم تران الورد عن صدره	94	4	قبيصة ابن النصراني
(3)	بكيت لفرسان و حق للناظري	147	7	براق

(4)	لقد نصحت لاقوام و قلت لهم	616	9	ورقة بن نوفل
(5)	أ اجمع صحبتي السحر ارتحالا	201	6	عمرو بن كلثوم
(6)	ولم تصبر لنا غطفان لما	208	11	زهير بن جناب
(7)	لقيت تغلب كمصة عاد	243	9	فند الزماني
(8)	اما جاري لعمري تاعاوا ادنى عيالى	246	8	جساس بن مرة
(9)	يا كعب انك لو قصرت على	254	9	عبدالمسيح بن عسلة
(c)	ديوان الحماسة			
	اذا المرء لم يدنس من اللوم عرضه	28	22	سموأل بن عاديا
(d)	رياض الادب	147	6	حقيقة بنت عمر والجاهلية
	كنا كغصنين في جرثومة سمقا			
(e)	ديوان الخنساء	41	10	الخنساء بنت عمرو
	اعيني جودا ولا تجمدا			

Dr. A S. Tritton's edition of these selections is approved.

Unseen.

The following book indicates the standard of passages to be set :—

نوادرالحكايات by قليوبي 1st half.

Paper II.—Prose and Unseen.

Text :—

(*a*) ابن خلدون (The Biography of the Prophet).

(*b*) Tajaribul Umam, Eclipse of the Abbaside Caliphate, volume I, pages 83 to 91. Imprisonment of Um Musa, the stewardess, and appointment of Ibn Furat as Wazir, 310 to 311 Hijra, pages 202 to 246.

Unseen.

The following book indicates the standard of passages to be set :—

نوادرالحكايات by قليوبي 1st half.

II.—Grammar :—Gildersleeve's Latin Grammar or Allen's Latin Grammar is recommended.

III.—Latin Prose Composition.

Book recommended :—

North and Hillard's Latin Prose Composition (Rivington).

(e) Greek.

Prescribed course :—

Text—(1) PLATO : Apology and Crito.

(2) SOPHOCLES : Antigone.

(f) Hebrew.

Prescribed course :—

I.—Text—SAMUEL : Book I.

PSALMS, I—LX.

II.—Genesis is recommended for rapid reading in connexion with Unseen.

III.—Grammar :—Duff's Hebrew Grammar is recommended.

PHYSIOLOGY, HYGIENE AND CHILD-STUDY.

(For girls only.)

NOTE.—The subject should be taught in such a way as to be of practical value to the students.

There will be two papers of three hours each : the first paper will contain questions on (1) Activities of the Modern Home, (2) Physiology and Hygiene and (3) Public Health, and the second paper questions on Child-Study.

I.—Activities of the Modern Home.

(1) To provide for the physical needs and development of the members of the family.

(2) To provide for their mental, moral and social needs.

(3) To co-operate with the community for the better meeting of these needs.

(4) To maintain the home on an economically sound basis so as to make possible the meeting of the above needs.

II.—The study of Physiology and Hygiene, especially from the point of view of the physical development of the child.

(A) *The cells, the supporting tissue and their structure.*

(B) The skeleton; bones, joints, the muscular system. A special study of the conditions making for the normal development of these systems, such as posture, etc

(C) Digestion and Nutrition

(1) The organs and processes of digestion.

(2) The food needs of the body.

(3) The classes of food-stuffs.

(4) The diet of the pre-school and school child

(*a*) Constipation as a special dietary problem of school children

(*b*) Malnutrition—how to detect and remedy it.

(5) Effect of cooking on food; method of cooking with special emphasis on methods of cooking food for children.

(6) Treatment of minor digestive ailments

(7) Alcohol and drugs and their effect on the digestive system.

(D) The excretory system—the skin, kidney, bowels. Health, habits of children in relation to the *above.*

(E) The circulation of the blood—the heart . arteries; veins, capillaries. The regulation of the blood supply. The composition of blood and its work in the body.

The problem of the child with the weak heart.

(F) Respiration.

II.—Grammar :—Gildersleeve's Latin Grammar or Allen's Latin Grammar is recommended.

III.—Latin Prose Composition.

Book recommended :—

North and Hillard's Latin Prose Composition (Rivington).

(e) Greek.

Prescribed course :—

Text—(1) PLATO : Apology and Crito.

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II.—The study of Physiology and Hygiene, especially from the point of view of the physical development of the child.

(A) The cells, the supporting tissue and their structure.

(B) The skeleton, bones, joints, the muscular system. A special study of the conditions making for the normal development of these systems, such as posture, etc

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(1) The organs and processes of digestion.

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(5) Effect of cooking on food, method of cooking with special emphasis on methods of cooking food for children

(6) Treatment of minor digestive ailments.

(7) Alcohol and drugs and their effect on the digestive system.

(D) The excretory system—the skin, kidney, bowels. Health, habits of children in relation to the above.

(E) The circulation of the blood—the heart. arteries; veins; capillaries The regulation of the blood supply. The composition of blood and its work in the body.

The problem of the child with the weak heart.

(F) Respiration.

INTERMEDIATE EXAMINATION IN COMMERCE OF 1933.

The following are the subjects of examination :—

Compulsory subjects—

1. English.
2. Book-keeping and Accountancy.
3. Business Methods and Correspondence.
4. (*a*) Elementary Economics.
   (*b*) Commercial Geography.

Optional subjects—

One of the following :—

1. Steno-typing (shorthand and typewriting).
2. Elements of Banking.
3. Elements of Industrial Organization.
4. Mathematics

The following papers will be set :—

1. *English* —Two papers of three hours each.

2. *Book-keeping and Accountancy.*—Two papers of three hours each.

3. *Business Methods and Correspondence.*—Two papers of three hours each : one paper on Business Methods and one paper on Correspondence, precis-writing, etc.

4. *Elementary Economics and Commercial Geography.*—Two papers of three hours each : one paper on Elementary Economics and one paper on Commercial Geography.

5 *Steno-typing* { *Shorthand.*—One paper of three hours. *Typewriting* —One paper of one hour. }

6. *Elements of Banking.*—One paper of three hours.

7. *Elements of Industrial Organization.*—One paper of three hours.

8. *Mathematics.*—Two papers of three hours each.

No.	Subject.	Paper.	Time (hours)	Marks for each paper.	Total marks for each subject	Minimum pass marks.
		COMPULSORY				
1	English ..	First paper (Prose)	3	50	100	33
		Second paper (Composition and translation)	3	50		
2	Book keeping and Accountancy.	First paper	3	50	100	33
		Second paper	3	50		
3	Elementary Economics and Commercial Geography.	First paper (Economics).	3	50	100	33
		Second paper (Geography)	3	50		
4	Business Methods and Correspondence.	First paper (Business methods)	3	50	100	33
		Second paper (Correspondence, precis-writing, etc	3	50		
		OPTIONAL				
1	Steno-typing	First paper (Shorthand)	3*	50	100	33
		Second paper (Typewriting)	1	50		
2	Elements of Banking	One paper ..	3	100	100	33
3	Elements of Industrial Organisation	One paper ..	3	100	100	33
4	Mathematics	First paper ..	3	50	100	33
		Second paper	3	50		

* Excluding five minutes' interval between the dictation of the two sections in Shorthand.

Correspondence.

This will consist of—

(a) Commercial and official correspondence.

(b) Rewriting in plain language of passages from market reports (financial and commodity markets) with explanations of selected terms and phrases occurring in the passages.

(c) Précis-writing.

Book recommended (not prescribed):—

Modern Commercial Correspondence, by John K. Grebby. (MacDonald & Evans, London.)

Précis-writing, by K. L. Govil (Goutam Brothers & Co., Cawnpore).

Elementary Economics.

(The treatment of the subject should be very elementary and, as far as possible, it should be illustrated by reference to Indian conditions.)

The subject-matter and scope of Economics, fundamental notions, and simple definitions. Relation between wants, efforts, and satisfaction.

Production—Factors of production. Land, Labour, Capital and organization.

Nature and Limitations of land; Division of labour and other factors of efficiency of labour; Organization of capital.

Laws of increasing, diminishing, and constant returns.

Wants.—Diminishing utility. Value—its determination Balancing of supply and demand.

The Machinery of exchange. Money and banking, both to be illustrated from Indian examples (including the Sahukari system, in the villages and the Sarafi system in cities). Convertibility of paper money in India. Cheques and Hundis (Foreign exchanges are excluded).

Distribution—Rent—interest—wages—profits (with particular reference to Indian conditions).

Books recommended (but not prescribed as text-books) :—

1. Outlines of Economics, by J. T. Goodchild (University Book Dépôt, Agra).

2. PENSON : Economics of Every-day Life, Part I.

3. MORELAND : Introduction to Economics (Macmillan & Co)

4. JEVONS : Money and Banking in India

5 Introduction to Economics for Indian Students, by W. H. Moreland. (Macmillan & Co , St Martin's Street, London)

6 The Economics of Every-day Life, by Sir T H. Penson. (Cambridge University Press)

Commercial Geography.—(*a*) An elementary study of the principles of economic Geography on the basis of regional divisions, and their correlation with the distribution of the principal commercial commodities and industries

(*b*) Trade Centres, Ports, Trade Routes.

(*c*) Detailed study of India on the regional basis on the lines indicated above.

Books recommended :—

(1) Rudmose Brown's " Principles of Economic Geography."

(2) Howarth's " A Short Commercial Geography."

TYPEWRITING.

The syllabus will be the same as in Commerce for the High School Examination of 1933, but of a more advanced character—the speed to be 30 words per minute.

There shall be no paper on the theory of typewriting.

The maximum marks and the time allotted to the papers in this subject are as follows :—

		Marks.	Time allowed.
Type-copying	(a) Passage and letter.	35	One hour.
	(b) Tabular statement.	15	
	Total ..	50	

Books recommended :—

1. Pitman's or Remington's Typewriting Manual.

2. A Typewriting Manual for Indian Students, by E. M. Moffatt and V. A. Kshirsagar (Methodist Publishing House, Lucknow).

3 The New Manual of Typewriting, by Y. D. Keshkar and Jagdish Saran (Methodist Publishing House, Lucknow).

SHORTHAND.

1. Writing in shorthand from a passage dictated at the rate of 80 words a minute, for a period of ten minutes.

2. Writing in shorthand from a business letter of general commercial phraseology, dictated at the rate of 80 words a minute, for a period of five minutes.

3. Transcription of both the above.

Book recommended :—

Pitman's Instructor, by Pitman & Sons, London.

ELEMENTS OF BANKING.

1. The nature of Banking.

2. The functions of a banker.

3. The meaning of Banking and other mercantile terms.

4. Simple banking operations.
5. The English money market.
6. Elements of foreign exchange.
7. The constituents of the Indian Money Market.
8. Indigenous Banking in India: "Shroffs" and Mahajans and their operations
9. The Indian joint-stock Banks.
10. The Imperial Bank of India.
11. The question of a Central Bank for India.
12. The financing of Indian trade.
13. How to read the money market reports.
14. Elements of Indian law relating to bills, cheques and promissory notes.
15. Defects and causes of the backwardness of Indian Banking.
16. Development of Indian Banking.

ELEMENTS OF INDUSTRIAL ORGANIZATION.

1. The Organization of an Indian Village.
2. Landownership and methods of cultivation.
3. Obstacles to agricultural progress and remedies.
4. Cottage industries—their relation to agriculture.
5. Elements of Factory Organization.
6. Co-operation in Production and Distribution.

Books recommended:—

1. Indian Industrial Organization—Morrison.
2. Industrial Revolution—Chatterton

Reference should be made to—

India in 1926.

Indian Year Book

MATHEMATICS.

Paper I (*a*).—Commercial Arithmetic, Proportion, Percentages, Stocks and Shares, Present Worth and Discount, Exchange Rates, Partnership,

Profit and Loss, Commission, Brokerage, Premium, Simple and compound interest (the use of logarithms will be permitted when necessary).

(b) *Algebra.*—The Theory, Quadratic Equations, Arithmetical, Geometrical and Harmonic Progression, Permutations and Combinations, Theory of indices and logarithms, Use of binomial and exponential theorems.

(c) *Trigonometry.*—Measurements of angles, trigonometrical ratios, identities and trigonometrical equations, practical applications of Logarithms; Solution of triangles, properties of triangles.

Paper II. (a) (1) —Pure Geometry as given in parts V and VI of Hall and Stevens' Geometry.

(a) (2) *Analytical Geometry.*—Straight lines, Circles, Elementary properties of Conics.

(b) Elements of Differential Calculus.

RMEDIATE EXAMINATION IN AGRICULTURE OF 1933.

.—Preference for admission to this course will be given to ... who have studied (a) Chemistry and Physics, or (b) Agriculture ... admission test examination.

he following are the subjects of examination :—

Group 1.

	Maximum marks.	*Time allowed.*
PAPER I.—Chemistry ..	25	Three hours.
PAPER II.—Physics ..	25	Ditto.
Practical Chemistry.	25	Ditto.
Practical Physics	25	Ditto.
Total ..	100	

Group 2.

PAPER I.—Botany ..	25	Three hours.
PAPER II.—Zoology ..	25	Ditto.
Practical Botany	25	Ditto.
Practical Zoology	25	Ditto.
Total ..	100	

Group 3.

PAPER I.—Physical properties of soil, soil geology, climatology ..	30	Three hours
PAPER II.—Tillage and Plant Feeding, Principles of manuring,		

laws. Elementary ideas as to the nature of dissociation and of the ionic theory.

The outline of the periodic law.

The following elements and their compounds :—

Hydrogen and Oxygen—their preparation and properties. Oxidation and reduction. Oxides, acids, bases and salts.

Water :—Electrolysis ; synthesis ; solution ; crystallization ; efflorescence and deliquescence ; pure and natural waters ; temporary and permanent hardness : methods of softening water.

Nitrogen ; ammonia ; oxides of nitrogen ; nitric acid and the nitrates ; nitrification.

The atmosphere, its chief constituents and properties.

The family of the halogens with special reference to chlorine, hydrochloric acid and the chlorides.

Carbon ; forms of carbon ; carbon dioxide and the carbonates.

Sulphur ; sulphur dioxide and trioxide ; sulphuric acid and the sulphates ; sulphuretted hydrogen and the sulphides.

Phosphorous ; phosphorus pentoxide ; phosphoric acid and the phosphates.

Arsenic and arsenious oxide.

Silicon, silica and the silicates.

Mercury and Silver—their oxides, chlorides and nitrates.

Copper—its sulphate, nitrate and oxides.

Lead—its oxides, chlorides and sulphate.

Iron—its oxides, sulphate, chloride and phosphate ; steel, cast iron and wrought iron.

Aluminium—its oxides, sulphate and chloride.

Zinc—its oxide, chloride and nitrate.

Manganese—its oxides, chloride, sulphate and potassium permanganate.

Calcium—its oxide, hydroxide, chloride, nitrate, sulphate, carbonate and phosphate.

Barium—its oxide, carbonate chloride and sulphate.

Magnesium—its oxide, chloride, sulphate, carbonate and phosphate.

Sodium, Potassium and Ammonium—their hydrates, chlorides, nitrates, sulphates, carbonates and phosphates.

B.—Organic.

General composition; physical properties and general classification of carbon compounds

Hydrocarbons, saturated and unsaturated—methane, ethane, ethylene and acetylene.

Alcohols; methyl and ethyl alcohols; glycerine.

Aldehydes and ketones; formaldehyde, acetaldehyde, acetone.

Ethers —Ethyl ether.

Acids; formic, acetic, butyric, oxalic, lactic and citric

Fats, oils and soaps

Carbohydrates: grape sugar, fruit sugar, cane sugar starch and cellulose.

Proteins: Albumin.

Practical work in Chemistry.

Differentiation between chemical compounds and mechanical mixtures

Solution; suspension; sedimentation; decantation; filtration; precipitation; crystallization and distillation

Examination of the important atmospheric constituents.

Preparation of hydrogen, oxygen, nitrogen, nitrous oxide, nitric oxide, nitric acid, ammonia, chlorine, hydrochloric acid, sulphur dioxide and carbon dioxide.

Heat energy :—Source ; modes of transference ; effects of heat on matter ; thermometry ; specific heats ; evaporation and boiling ; vapour pressure ; condensation and frost ; latent heats ; hygrometry and dew point ; mechanical equivalent of heat.

Radiant energy :—Source of light ; mode of propagation ; light waves ; shadows ; illumination ; reflection ; transmission ; absorption and dispersion of light ; magnification ; images ; telescope ; microscope.

Magnetic energy :—Magnets ; magnetic forces ; magnetization , compass

Electric energy :—Electrification by friction : insulators ; conductors ; electroscope ; electrophorus. Electricity generated by chemical action ; by dynamos. Resistance ; magnetic effect of current ; transformation of electric energy into heat, light and power ; practical acquaintance with galvanometers, voltmeters, ammeters, electrolysis. (Simplest forms.)

Practical Work in Physics.

Accurate determination of length, area, mass, volume and density. Use of calipers, screw gauge, spherometer, balance, burette and squared paper.

Determination of acceleration due to gravity by the simple pendulum.

Verification of the law of parallelogram of forces.

Verification of the principles of parallel forces and of the lever.

Determination of centre of gravity of plane laminas.

Determination of co-efficient of friction.

Determination of efficiency of a system of pulleys.

Use of the Nicholson's Hydrometer.

Use of the hydrostatic balance : determination of specific gravities of—

(1) insoluble sinking solid, (2) floating solid, (3) liquid.

Verification of Boyle's Law and practice in barometer reading.

Use of the density bottle : determination of true and apparent density of soils and pores pace.

Practice in reading various thermometers.

Determination of Humidity and Dewpoint

Determination of Boiling point

Preparation of a graph showing cooling of water by radiation.

Determination of specific heat :—(1) Method of mixture, (2) method of radiation.

Determination of Latent heats of vaporization and fusion.

Reflection of light : use of plane and concave mirrors.

Refraction of light : determination of Refractive index.

Determination of focal length of a converging lens.

Practice in use of a telescope and of a microscope

Magnetization of needles and determination of their poles

Charting of lines of force due to a magnet in different positions.

Use of simple electroscopes (Gold leaf and Pith ball).

Construction of a simple cell and use of the simple galvanometer.

Determination of Electromotive force by the potentiometer or balance method.

Determination of Electric resistance by substitution method

The following books are suggested for reference —

1. A High School Course in Physics, by F. R. Gorton (D Appleton and Co , New York) Price, about Rs. 5.

2. Every-day Physics, by H. E. Hadley (Macmillan and Co., Ltd., London).

GROUP II.

Biology.

(The course will aim at the study of the phenomena exhibited by living matter as illustrated by lower plants, animals, and their organs.)

Introduction.—Living and non-living matter; study of life in its simplest form as illustrated by Amœba, Nostoc, Euglena, Volvox, Paramœcium, and Spirogyra; general properties of protoplasm as the basis of all life.

The cell, animal and vegetable, its growth and simple division; combination of cells to form tissues; combination of tissues to form organs as illustrated by Hydra and Moss.

I. Botany.

Study of plant in general.

External morphology of the plant organs: stem, root, leaf, flower, fruit, and seed.

Internal Morphology—

(*a*) Plant cell.

(*b* Stem, root, and leaf

Reproduction—

Vegetative reproduction.

Sexual reproduction—

(*a*) The flower: structure and functions.

(*b*) Pollination.

(*c*) The seed: development, structure, dissemination.

(*d*) The fruit: development, types, functions.

(*e*) Germination.

Physiology elementary study of the following:—

(*a*) Chemical composition of plants.

(*b*) Water in plants; intake of water and inorganic salts.

(*c*) Carbon-assimilation.

(d) Transportation ; food storage.

(e) Transpiration.

(f) Respiration.

(g) Growth.

Rapid survey of the plant kingdom.—Bacteria, spirogyra, mucor, moss, fern cycas

Study of botanical characters of · (Field and garden crop plants should be used as far as possible)—Cruciferae, Malvaceae, Leguminosae, Rosaceae. Cucurbitaceae, Compositaceæ, Solanaceae, Euphorbiaceae, Liliaceae. Gramineae.

Books recommended —

1. Lowson and Sahni Text-book of Botany (Indian edition) (London University Tutorial Press or Thacker, Spink and Company, Calcutta).
2. Percival .. Agricultural Botany (Duckworth)
3. Ranga Chari . Elementary Botany for Indian Schools (Government Press, Madras)
4. Gager .. Fundamentals of Botany (Blakiston)
5. Transeau .. General Botany (World Book Company)
6. Farmer and Chowdhry Practical Introduction to the Study of Botany. (Longmans, Green and Company, Limited)

II.—Zoology.

Acquaintance with the following types as illustrations of the various kinds of life :—

Tapeworm, Earthworm, Leech, Snail and Slug, Termite, Fish, Frog.

General organization of earthworm, fresh-water mussel, lobster and cockroach.

Elementary anatomy and physiology of the important systems of the following :—

Amphioxus, fish, frog, fowl and squirrel or other small mammal.

Books recommended—

1.	Theobald ..	Agricultural Zoology (W. Blackwood).
2.	Gilbert Bourne	Comparative Anatomy of Animals (G. Bell and Sons).
3	Marshall ..	Physiology of Farm Animals (Macmillan, Calcutta).
4.	Marshall and Hurst.	Practical Zoology (Smith Elder and Company).

Practical work in Botany.

A general study of the plant as a whole.

Growing of plants from seeds, different types of germination of seeds.

Examination of seedlings to study external morphology of primary organs

Simple and compound microscopes—Study of their parts and their uses.

Examination and description of various types of roots, stems and leaves, their constituent parts and their modification.

Examination under microscope of cotton fibres, hairs, starch and air bubbles.

Study of unicellular organisms such as Yeast, Nostoc, Spirogyra, leaves of Vallisnaria and staminal hairs of Trades cantia to demonstrate protoplasmic movements.

Freehand section with staining practice of root, stem and leaf and their description.

Study of cell-wall, protoplasm, vacules, nucleus, plastids and starch grains.

Iodine test of starch grains.

Examination, dissection and descriptive study of flowers and their parts and the study of their functions.

Examination and identification of fruits and seeds.

Identification of Nostoc, Euglena, Spirogyra, Mucor, Moss and parts of fern and cycas.

Study of external botanical characters, including identification of plants of common field and garden crops belonging to families in the syallabus.

Practical work in Zoology.

1. Microscopic study—
   - I The examination and study of the microscope and its parts
   - II The study of the living cell—
     - (a) Examination of pond water
     - (b) Amoeba
     - (c) Eggs of mosquito and fly
     - (d) *Blood corpuscles*
     - (e) Scrapings from inside of mouth.
2. The study of microscopic slides—
   - (a) Mouth parts of the various insects
   - (b) Important minute structures of the types of study
3. Preparations for microscopic examination—
   - (a) Striated muscle in salt solution
   - (b) Ciliated cells in salt solution
   - (c) Setae of earthworm in glycerine or water.
   - (d) Mouth parts and gizzard of cockroach in glycerine or water
4. Study of the external characters and habits of the living animal included in the course, excepting endoparasites.

5. Demonstration dissections in batches—
Heart and eye of sheep or goat.

6. Osteology—
(*a*) Study of dentition in dog, horse or ox.
(*b*) Study of limbs of horse and ox.

7. Dissection by indivdiual students—
(*a*) Grasshopper for all important systems.
(*b*) Pond snail for body organization only.
(*c*) Squirrel for all the important systems. Other mammals—their organs may be substituted.

8. Collection and preservation of the types of study. Their preparation for the museum—
(*a*) Stages of the animals used as types for life history.
(*b*) Insects—Grasshoppers, butterflies or moths.

9. Rearing a butterfly or moth, preferably silk moth.

10. Field observations—
(*a*) Animals in their natural habitats.
(*b*) Breeding places of harmful insects and their pests Housefly, mosquito and termite.
(*c*) The insect pest selected for the year.
(*d*) Bird selected for study and its habits.

11. Students will make daily records of the "Field observations" and laboratory work in special note-books *prescribed by the teacher in charge. The books* will be submitted in the final examination as part of the practical work, duly certified as the *bona fide* work of the candidate.

Books suggested—

1. Theobald : Agricultural Zoology (William Blackwood and Sons, Edinburgh, London)
2. Kellog and Doane : Economic Zoology and Entomology.
3. Pusa Bulletins .. Nos 113, 6 and 143.

GROUP III

I.—ELEMENTARY SOIL SCIENCE.

Soil Geology.—The origin of soils, classification and nature of soil-forming rocks ; recognition of the following rocks and their chief characteristics :—

(1) Igneous : granite, syenite, diorite, biabase ; gabbro ; basalt

(2) Sedimentary : limestone, sandstone, shale ; Dolomite.

(3) Metamorphic schists : gneiss, marble, slate ; quartzite.

The mineral constituents of the more important soil-forming rocks, their nature and composition.

The importance of felspars in the formation of clay

The nature of kaolinite

Acid and basic rocks and their effect upon soils formed from them.

The physical properties of soils —Pore space, number of soil particles per given volume and their relation to surface area exposed to moisture and air, resistance to cultivation operations, plasticity, absorption, cohesion ; limits of moisture for successful tillage, effect of presence of organic matter on soil structure, effect of lime, effect of cultivation, sources of soil heat, specific heat of the soil ; specific gravity, apparent and absolute, of the soil ; effect of colour on absorption of heat and of humus on conductivity of heat ; effect of decay of organic matter on soil temperature, control of soil temperature.

Soil classes.—Classification of soils into sand, loam, clay, calcareous, humic and peaty soils and the nature of each class; division of the United Provinces into its natural soil classes and the characteristics of each class.

Tillage and plant food in the soil.—Objects, kinds and timeliness of tillage. Chemical and physical effects of tillage. Elements necessary for plant growth and their sources; abundant and deficient elements in the soil; conversion of organic matter into plant food, conditions necessary for bacterial activity in the soil; the Nitrogen cycle briefly explained; the relation of air, water and heat to plant food in the soil, the presence of lime and its importance to the production of plant food.

General principles of manuring in relation to soils.—The effect of organic manures on the texture of soils, the correct time of application of manures in relation to irrigation and rain water; losses of plant food by incorrect manuring; losses by incorrect storage and their prevention; acidity and deflocation due to excessive and unsuitable manuring; remedies for this condition; condition of soil necessary before application of fertilisers can be profitable; the essential difference between organic manures and inorganic manures as regards effect on soils; methods of manuring with both organic manures and chemical fertilisers.

The following books are suggested for reference:—

1. The Soil, by A. D. Hall (John Murray, London).

2. The Physical Properties of Soils, by A. G. McCall (Orange Judd and Company, New York). Price about Rs 2-12

3 First Principles of Soil Fertility, by Alfred Vivian (Orange Judd and Company, New York, or Christian Book and Tract Society, Allahabad). Price Rs. 2-7.

4. Soils, their Properties and Management, by Lyon, Fippin and Buckman (Macmillan and Company, New York). Price Rs. 10.

5. Soils and Fertilizers, by Harry Snyder (Macmillan and Company, New York).

Climatology.—The distribution of rainfall, its effect upon the composition of soils; determination of humidity; factors affecting dew; changes in atmospheric temperature and their effect upon humidity; winds and their importance in farming; snow, ice and frost and their relation to the soil; methods of obtaining data for climatic reports, simple instruments used in meteorological observations; climate in relation to soils and plant growth.

The following books are suggested for reference :—

1. Agricultural Meteorology, by Warren Smith (Macmillan and Company, New York).

2. Forecasting Weather, by W. A. Shaw (Constable and Company, London).

General principles of irrigation and drainage.—(a) *Irrigation*.—The necessity of irrigation, water requirements of crops and the danger of excessive water; methods of reducing water requirements of crops: evaporation and its relation to plant growth; prevention of losses of irrigation water, amount of seepage in the three main classes of soils, sands, loams and clays, the construction of irrigation channels, measurement of discharge of water from outlets, measurement of water in flowing channels: relation of depth in inches to total quantity of water per irrigation; systems and methods of irrigating crops, lift and flow irrigation, appliances commonly used for lifting water, simple calculations of discharge from common irrigation appliances.

(b) *Drainage*.—The necessity of removing surplus water from the soil; the dangers resulting from excessive

Soil classes.—Classification of soils into sand, loam, clay, calcareous, humic and peaty soils and the nature of each class; division of the United Provinces into its natural soil classes and the characteristics of each class.

Tillage and plant food in the soil.—Objects, kinds and timeliness of tillage. Chemical and physical effects of tillage. Elements necessary for plant growth and their sources; abundant and deficient elements in the soil; conversion of organic matter into plant food, conditions necessary for bacterial activity in the soil; the Nitrogen cycle briefly explained; the relation of air, water and heat to plant food in the soil, the presence of lime and its importance to the production of plant food.

General principles of manuring in relation to soils.—The effect of organic manures on the texture of soils, the correct time of application of manures in relation to irrigation and rain water; losses of plant food by incorrect manuring; losses by incorrect storage and their prevention; acidity and deflocation due to excessive and unsuitable manuring; remedies for this condition; condition of soil necessary before application of fertilisers can be profitable; the essential difference between organic manures and inorganic manures as regards effect on soils, methods of manuring with both organic manures and chemical fertilisers.

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(*b*) *Drainage*—The necessity of removing surplus water from the soil; the dangers resulting from excessive

dairy cow, bullock, young stock and goat; practice in watering and exercising; familiarity with the appearance and use of common medicines and antiseptics; ability to throw an animal with ropes; market value of dairy, draft cattle and goats; keeping of records of dairy cattle.

The following books are suggested for referen ce :—

1. Feeding of Crops and Stock, by A. D. Hall.

2. The Complete Farmer, by Premirose McCommell.

3 Judging Live-stock, by John A. Craig (Kenyon Printing Company, Des Moines, Iowa). Price, Rs. 7.

4. Feeds and Feeding (abridged edition), by Henry and Morrison. Henry and Morrison, Madison, Wiscon). Price, Rs. 10.

III Farm Machinery.—Workshop practice in wood and iron. Practical study of the plough, harrow, cultivator, roller and planker; ability to plough with desi mould board and disc ploughs; familiarity with the methods of hitching; adjustment of implements and methods of ploughing: familiarity with the use of common seed-drills, weeding and cultivation with power and hand *implements, grinding, canecrushing* and foddercutting

The following books are suggested for reference :—

1. Farm Mechanics, by Crawshaw and Lehman (Manual Arts Press, Peoria, Illinois, U. S. A.).

2 Farm Machinery and Farm Motors, by Davidson (Thacker, Spink and Company). Price, Rs. 11-8.

IV. Calculations.—The following simple calculations to be noted in the student's note-book. Field

notes attested by the teacher to be produced at the examinations :—

(1) Time taken to plough, harrow, cultivate and plank one acre, under the following conditions :—

Hard soil,

Soft soil,

Sod, and

Stubble.

(2) The variation in time taken in area ploughed with differences in depth and width of ploughing under similar conditions.

(3) The area sown with simple seed drills per day calculated from the work done in two hours; probabilities of error.

(4) Quantity of work done in hand-weeding, harrowing, etc., per hour by a given number of labourers; in this case students.

(5) Calculations of discharge of water from outlets, from irrigation channels and from irrigation appliances.

(6) Estimation of loss by evaporation and seepage.

(7) Estimation of area of land irrigated in a given time by irrigation appliances in common use; duty of water.

(8) Increase in outturn of crops by top dressing with chemical fertilisers and oil-cakes.

(9) Calculation of quantity of fodder chopped by machine worked (*a*) by hand, (*b*) by electricity or other power, and comparison with hand-chopping with gandasa.

dairy cow, bullock, young stock and goat; practice in watering and exercising; familiarity with the appearance and use of common medicines and antiseptics; ability to throw an animal with ropes; market value of dairy, draft cattle and goats; keeping of records of dairy cattle.

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(7) Estimation of area of land irrigated in a given time by irrigation appliances in common use; duty of water.

(8) Increase in outturn of crops by top dressing with chemical fertilisers and oil-cakes.

(9) Calculation of quantity of fodder chopped by machine worked (*a*) by hand, (*b*) by electricity or other power, and comparison with hand-chopping with *gandasa*.

credit. Relation of the rate of interest to the supply of capital. Causes of saving.

Why do wages differ? Grades of labour. Efficiency of labour. Real and nominal wages. Cost of living and the standard of living. Relation of wages to the supply of labour. Relation of birth-rates and death-rates to income.

Organization and management.—In what different ways might wheat be produced? Does the method depend upon situation? Wages? The rate of interest? Education? Quality of the product? How is the method actually determined? By whom?

Carry out this reasoning for milk and other common necessities.

In what cases is it most profitable to use a railway, a bicycle, and one's feet? Compare the uses of handwriting, typewriting and printing press. Hand-sewing and the sewing machine. Why do primitive methods continue in use along with more advanced ones?

Money, banking and foreign exchange, barter, uses of money, reasons for minting and for free coinage, paper money and cheques. The work of banks and their economic importance. India's foreign trade and its advantage.

Taxation.—The necessity for taxation. The income-tax, custom duties, land revenue and excise. Who bears these taxes? Reasons for progressive taxation. Imperial and local taxation.

The following books are suggested for reference :—

1. Elements of Economics, Vol. I, by Alfred Marshall (Macmillan & Co., London).

An Introduction to Economics for Indian Students, by Moreland.

or

MATHEMATICS.

ALGEBRA :—Quadratic equations involving one or two unknown quantities.

Arithmetical and Geometrical Progressions.

Permutations and Combinations.

The Binomial Theorem for positive integral index.

Proportions and Variations.

Use of indices and logarithms.

Practical use of the Slide Rule.

GEOMETRY AND MENSURATION :—Simple Plane and Solid Figures, excluding any detail about the sections of a cone.

Similar figures and proportionals.

Field book.

Collinear points and concurrent straight lines.

TRIGONOMETRY :—Trigonometrical Ratios.

Easy trigonometrical indentities and equations.

Solution of triangles.

Practical measurement of angles of elevation, heights and distances, including the necessary calculations.

GRAPHS :—Variables and co-ordinates.

Statistical graphs and those governed by a natural law.

Continuity and discontinuity of graphs. Problems.

Graphs and Algebraical expression of functions.

The linear graph.

Use of Cartesian co-ordinates :—Distance between two points. Distance between a straight line and a point.

Angle between two straight lines.

The quadratic graphs.

Practical Graphical Interpolation.

INTEGRATION :—Small errors; Infinitesimal quantities.

Differentials : Differential coefficient.

Easy standard forms of differentiation explained (without elaborate proofs). Sum and product of functions.

Summation of series.

Integration considered as summation of a series of differentials.

A few very easy standard forms of integrals (without elaborate proofs). Integration by parts.

Easy determinations of length, area and volume.

Practical use of the planimeter and the opisometer.

List of Intermediate Colleges in the United Provinces (not maintained by Government) recognized for the Intermediate Examination of 1932.

Serial no.	Name of college.	Subjects in which recognition has been given.	Remarks.
		MEERUT DIVISION.	
1	Meerut College, Meerut	English, Persian, Sanskrit, History, Logic, Economics, Mathematics, Physics, Chemistry, Civics, Drawing, Urdu, Hindi and Biology.	Recognized provisionally in Civics and Biology up to 1933.
2	D. A.-V. Intermediate College, Dehra Dun.	English, Persian, Sanskrit, Modern History, Logic, Economics, Mathematics, Physics, Chemistry, Civics and Hindi.	Provisional recognition extended to 1932.
3	N. R. E. C. Intermediate College, Khurja, district Bulandshahr.	English, Persian, Sanskrit, Modern History, Logic, Mathematics, Physics, Chemistry, Civics, Economics, Urdu and Hindi.	Recognized provisionally in Civics and Economics up to 1932.
		AGRA DIVISION.	
4	Agra College, Agra	English, Persian, Sanskrit, History, Logic, Economics, Mathematics, Physics, Chemistry, Biology, and Hindi.	Recognized provisionally in Hindi up to 1933.
5	St. John's College, Agra	English, Persian, Sanskrit, Logic, Modern History, Economics, Mathematics, Physics, Chemistry, Biology, Geography, Urdu and Hindi.	Provisional recognition in Urdu and Hindi: extended to 1932 Recognized permanently in Urdu and Hindi, from 1933. Recognized provisionally in Geography up to 1933.

INTEGRATION :—Small errors; Infinitesimal quantities.

Differentials : Differential coefficient.

Easy standard forms of differentiation explained (without elaborate proofs). Sum and product of functions.

Summation of series.

Integration considered as summation of a series of diffe entials.

A few very easy standard forms of integrals (without elaborate proofs). Integration by parts.

Easy determinations of length, area and volume.

Practical use of the planimeter and the opisometer.

12	D. A.-V. College, Cawnpore ..	English, Persian, Sanskrit, History, Logic, Economics, Civics, Mathematics, Physics, Chemistry, Urdu and Hindi.	Recognized provisionally in Civics, Urdu and Hindi up to 1932 Recognized permanently in Civics and Hindi from 1933.
13	B. N. Sanatan Dharm Intermediate College, Cawnpore.	English, Sanskrit. Modern History, Economics, Mathematics, Hindi, Logic, Geography, Urdu, Physics, Chemistry, Biology and Civics.	Recognized provisionally up to 1932 Recognized permanently in all subjects except Civics from 1933 Recognized provisionally in Civics up to 1933
14	Ewing Christian Intermediate College, Allahabad.	English, Persian, Sanskrit, Latin, Modern History, Ancient History, Logic, Economics, Mathematics, Physics, Chemistry, Geography, Biology, Urdu and Hindi.	Recognized provisionally in Geography, Urdu and Hindi up to 1933.
15	Kayastha Pathshala Intermediate College, Allahabad.	English, Persian, Sanskrit, Modern History, Ancient History, Logic, Economics, Mathematics, Physics, Chemistry, Biology and Civics.	Recognized provisionally in Civics up to 1933.
16	Anglo-Bengali Intermediate College, Allahabad.	English, Sanskrit, Modern History, Logic, Mathematics, Economics and Bengali.	Recognized provisionally up to 1933
		BENARES DIVISION.	
17	Udai Pratab College and Hewett Kshattriya School, Benares.	English, Persian, Sanskrit, History, Logic, Economics, Mathematics, Physics, Chemistry and Hindi	Recognized provisionally up Hindi up to 1933.
		GORAKHPUR DIVISION.	
18	St. Andrew's College, Gorakhpur ..	English, Persian, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology and Economics.	

Serial no.	Name of college.	Subjects in which recognition has been given.	Remarks.
		AGRA DIVISION—(*concluded*).	
6	Balwant Rajput Intermediate College, Agra.	English, Persian, Sanskrit, Modern History, Logic, Economics and Mathematics.	Recognized provisionally up to 1933.
7	Radhasoami Educational Institute, Agra.	English, Persian, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology, Economics, Urdu and Hindi	Recognized provisionally in Urdu and Hindi up to 1933.
8	Dharam Samaj Intermediate College, Aligarh.	English, Mathematics, History, Economics, Logic, Sanskrit, Persian, Urdu, Hindi, Physics, and Chemistry.	Recognized provisionally up to 1933.
		ROHILKHAND DIVISION.	
9	Bareilly College, Bareilly ..	English, Persian, Sanskrit, Modern History, Logic, Economics, Mathematics, Physics, Chemistry, Urdu and Hindi.	Recognized provisionally in Urdu and Hindi up to 1934.
10	Shyam Sunder Memorial Intermediate College, Chandausi, district Moradabad.	English, Persian, Sanskrit, Modern History, Logic, Mathematics, Physics, Chemistry, Economics and Hindi.	Recognized provisionally in Hindi up to 1932. Recognized permanently in Hindi from 1933.
		ALLAHABAD DIVISION.	
11	Christ Church College, Cawnpore ..	English, Persian, Arabic, Sanskrit, Latin, Modern History, Ancient History, Logic, Economics, Mathematics, Physics, Chemistry, Urdu and Hindi.	Recognized provisionally in Urdu up to 1932.

COLLEGES FOR EUROPEANS.

25	St. George's Intermediate College, Mussoorie.	English, Mathematics, Modern History, Ancient History, Latin, French, Physics, and Chemistry	
26	St. Joseph's College, Naini Tal ..	English, Modern History, Ancient History, Latin, Mathematics, Physics and Chemistry.	
27	Philander Smith College, Naini Tal ..	English, History, Economics, Latin, French, Physics, Chemistry and Mathematics.	Recognised provisionally up to 1934
28	La Martiniére College, Lucknow ..	English, Latin, Ancient History, Modern History, Mathematics, Physics, Chemistry and Geography.	

List of Government Intermediate Colleges recognized for the Intermediate Examination of 1932.

ROHILKHAND DIVISION.

29	Government Intermediate College, Moradabad.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics and Chemistry.	

ALLAHABAD DIVISION.

30	Government Intermediate College, Allahabad.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology, Economics, Urdu and Hindi	Recognized provisionally in Urdu and Hindi up to 1932.
31	Government Intermediate College, Etawah.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics and Chemistry.	

JHANSI DIVISION.

32	Government Intermediate College, Jhansi.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Urdu and Hindi.	

Serial no.	Name of college.	Subjects in which recognition has been given.	Remarks.
		LUCKNOW DIVISION.	
19	Lucknow Christian College, Lucknow	English, Persian, Arabic, Sanskrit History, *Logic*, Economics, Mathematics, Physics, Chemistry, Biology, Civics and Urdu.	*Recognized provisionally* in Civics and Urdu up to 1934.
20	Shia Intermediate College, Lucknow..	English, Persian, Arabic, Modern History, Economics, Logic and Mathematics.	Provisional recognition extended to 1934.
21	Kanya Kubja Intermediate College, Lucknow.	English, Persian, Sanskrit, History, Logic, Economics, Mathematics and Hindi.	Provisional recognition extended to 1933.
		GIRLS' COLLEGES.	
22	Crosthwaite Girls' Intermediate College, Allahabad.	English, Persian, Sanskrit, History, Logic, Mathematics, Economics, Urdu, Hindi, Bengali and Physiology, Hygiene and Child Study.	Recognized provisionally in Hindi, Bengali, Urdu and Physiology, Hygiene and Child Study up to 1933.
23	Isabella Thoburn College, Lucknow ..	English, Persian, Sanskrit, Latin, French, Modern History, Ancient History, Logic, Economics, Mathematics, Physics, Chemistry, Biology and Physiology, Hygiene and Child Study.	
24	Theosophical National Girls' School and Women's College, Benares.	English, Sanskrit, Modern History, Logic, Economics, Hindi and Physiology, Hygiene and Child Study.	Provisional recognition extended to 1933.

		COLLEGES FOR EUROPEANS.	
25	St. George's Intermediate College, Mussoorie.	English, Mathematics, Modern History, Ancient History, Latin, French, Physics, and Chemistry.	
26	St. Joseph's College, Naini Tal ..	English, Modern History, Ancient History, Latin, Mathematics, Physics and Chemistry	
27	Philander Smith College, Naini Tal ..	English, History, Economics, Latin, French, Physics, Chemistry and Mathematics.	Recognised provisionally up to 1934.
28	La Martinière College, Lucknow ..	English, Latin, Ancient History, Modern History, Mathematics, Physics, Chemistry and Geography	

List of Government Intermediate Colleges recognized for the Intermediate Examination of 1932.

		ROHILKHAND DIVISION.	
29	Government Intermediate College, Moradabad.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics and Chemistry	
		ALLAHABAD DIVISION.	
30	Government Intermediate College, Allahabad.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology, Economics, Urdu and Hindi.	Recognized provisionally in Urdu and Hindi up to 1932.
31	Government Intermediate College, Etawah.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics and Chemistry.	
		JHANSI DIVISION.	
32	Government Intermediate College, Jhansi.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Urdu and Hindi.	

Serial no.	Name of college.	Subjects in which recognition has been given.	Remarks.
		BENARES DIVISION.	
33	Queen's Intermediate College, Benares	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology, Economics and Hindi.	
		KUMAUN DIVISION.	
34	Government Intermediate College, Almora.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry and Economics.	
		LUCKNOW DIVISION.	
35	Government Jubilee Intermediate College, Lucknow.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physcs, Chemistry, Biology, Economics, Urdu and Hindi.	Recognized provisionally in Economics up to 1932. Recognized permanently in Economics from 1933. Provisional recognition in Biology extended to 1934.
		FYZABAD DIVISION.	
36	Government Intermediate College, Fyzabad.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology, Economics, Urdu and Hindi.	Recognized provisionally in Hindi up to 1934.

List of Institutions in the United Provinces recognized for the Intermediate Examination in Commerce of 1932.

Serial no.	Name of institution.	Remarks.
1	Meerut College, Meerut.	
2	N. R. E. C. Intermediate College, Khurja	Recognized provisionally up to 1932.
3	Lucknow Christian College, Lucknow.	
4	St. John's College, Agra.	
5	D. A.-V. College, Cawnpore.	
6	Sanatan Dharma College of Commerce, Cawnpore.	
7	Kayasth Pathshala Intermediate College, Allahabad	
8	Shyam Sundar Memorial Intermediate College, Chandausi	
9	Bareilly College, Bareilly	Recognized provisionally up to 1932. Recognised permanently from 1933.

List of institutions in the United Provinces recognized for the Intermediate Examination in Agriculture of 1932.

Serial no.	Name of institution.	Remarks.
1	Allahabad Agricultural Institute, Naini, Allahabad	
2	Agricultural College, Cawnpore.	
3	Radhasoami Educational Institute, Dayalbagh, Agra	Recognized provisionally up to 1933.

List of Institutions in the United Provinces recognized for the High School Examination of 1932.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks
		MEERUT DIVISION.		
1	Dayanand Anglo-Vedic Intermediate College, Dehra Dun.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
2	A. P. Mission High School, Dehra Dun.	Persian, Arabic, Sanskrit, Drawing, Science and Manual Training.	Urdu, Hindi and Bengali.	
3	Government High School, Saharanpur.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
4	Government Chamier Orman High School, Roorkee, district Saharanpur.	Ditto ..	Ditto.	
5	Kashi Ram High School, Saharanpur.	Persian, Sanskrit and Drawing ..	Ditto ..	Provisional recognition extended to 1933.
6	Islamia High School, Saharanpur.	Persian, Arabic and Drawing ..	Urdu	Provisional recognition extended to 1934.
7	Harpat Rai Anglo-Vedic High School, Deoband (Saharanpur).	History, Geography, Sanskrit, Persian and Drawing.	Hindi and Urdu ..	Recognized provisionally up to 1933.
8	Government High School, Muzaffarnagar.	Persian, Arabic, Sanskrit, Drawing, Science and Commerce.	Ditto.	

9	Sanatan Dharam Edward High School, Muzaffarnagar.	Persian, Sanskrit, Drawing, Science and Commerce.	Urdu and Hindi.	Provisional recognition extended to 1933.
10	D. A.-V. High School, Muzaffarnagar.	Persian, Sanskrit, Drawing and Science	Ditto ..	Provisional recognition extended to 1934.
11	Government High School, Meerut	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training	Ditto.	
12	Brahman Anglo-Vedic High School, Meerut.	Persian, Sanskrit, Drawing, History and Geography	Ditto ..	Recognized provisionally up to 1932. Recognized permanently from 1933.
13	Cantonment Anglo-Bengali High School, Meerut.	Persian, Sanskrit, Drawing and Science.	Urdu, Hindi and Bengali.	Recognized provisionally in Science up to 1932.
14	Faiz-i-Am High School, Meerut	Persian, Arabic, Drawing and Science.	Urdu and Hindi.	
15	Nanakchand Anglo-Sanskrit High School, Meerut	Persian, Sanskrit, Drawing and Science.	Ditto	
16	Devanagri High School, Meerut .	Persian, Sanskrit, Drawing, Science and Commerce	Ditto	
17	Government High School, Hapur, district Meerut	Persian, Sanskrit, Drawing and Science.	Ditto.	
18	Digambar Jain High School, Baraut, district Meerut.	Persian, Sanskrit and Drawing .	Ditto.	

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Institutions against the names of which there is no mention of either History or Geography have been recognized in both these subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		MEERUT DIVISION— *(concluded).*		
19	Jat Vedic High School, Baraut, district Meerut.	Persian, Sanskrit and Drawing..	Urdu and Hindi.	
20	Shambhu Dayal High School, Ghaziabad.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto ..	Recognized provisionally in Science and Commerce up to 1933.
21	Government High School, Bulandshahr.	Persian, Sanskrit, Drawing and Science	Ditto.	
22	D. A.-V. High School, Bulandshahr.	Sanskrit, Persian, Drawing, Science, History and Geography.	Ditto ..	Recognized provisionally up to 1934.
23	Nathumal Ramsahaimal Edward Coronation Intermediate College, Khurja, district Bulandshahr.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
24	Anglo-Vernacular High School, Sikandrabad, district Bulandshahr.	Persian, Sanskrit, Drawing and Science.	Ditto.	
25	A.-V. High School, Anupshahr, district Bulandshahr.	Ditto ..	Ditto ..	Provisional recognition extended to 1933.

26	Janki Prasad Anglo-Sanskrit High School, Khurja (district Bulandshahr).	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
27	King Edward Memorial Jat High School, Lakhauti (district Bulandshahr)	Persian, Sanskrit, Drawing, Science and Agriculture	Ditto.	
28	Kubair High School, Debai (district Bulandshahr)	Persian, Sanskrit, Drawing and Science	Ditto.	
29	Partap High School, Tehri, district Garhwal (Tehri State).	Persian, Sanskrit, Drawing, Science and Commerce	Ditto.	
30	Ghananand High School, Mussoorie.	Persian, Sanskrit, Commerce, History, Geography and Drawing.	Ditto ..	Recognized provisionally up to 1932. Recognized provisionally in Drawing up to 1933.
		AGRA DIVISION.		
31	Government High School, Aligarh	Persian, Sanskrit, Drawing, Science and Commerce	Urdu and Hindi.	
32	Dharmasamaj Intermediate College, Aligarh	Persian, Sanskrit, Drawing and Science	Ditto	
33	Kayasth Pathshala High School, Aligarh.	Persian, Sanskrit, Drawing, Commerce and General Science.	Ditto ..	Provisional recognition extended to 1934. Recognized provisionally in General Science and Commerce up to 1933.

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Institutions against the names of which there is no mention of either History or Geography have been recognized in both these *subjects from a date prior to the separation of History and Geography as two different subjects.*

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
34	D. A.-V. High School, Aligarh ..	Persian, Sanskrit, Drawing, History and Geography.	Urdu and Hindi ..	Recognized provisionally up to 1933.
35	Government High School, Hathras, district Aligarh.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
36	Phool Chand Bagla, A.-S. High School, Hathras, district Aligarh.	Persian, Sanskrit, Drawing and Science.	Ditto.	
37	Government High School, Muttra	Ditto ..	Ditto.	
38	Champa Agrawal High School, Muttra.	Sanskrit, Drawing, Commerce, History and Geography.	Ditto ..	Recognized provisionally up to 1933.
39	Kishore Raman High School, Muttra.	Persian, Sanskrit, Commerce, Science and Drawing.	Ditto ..	Recognized provisionally in Science and Drawing up to 1932. Recognized permanently in these subjects from 1933.
40	Methodist Mission High School, Muttra.	History, Geography, Persian, Sanskrit and Drawing.	Ditto ..	Recognized provisionally up to 1933.

41	Victoria High School, Agra	Persian, Sanskrit, Drawing and Science.	Ditto.	
42	Government High School, Agra	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Ditto.	
43	St. John's High School, Agra	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
44	Balwant Rajput Intermediate College, Agra.	Ditto	Ditto.	
45	Baptist Mission High School, Agra.	Persian, Sanskrit, Drawing and Science.	Ditto.	
46	Mufid-i-Am High School, Agra	Ditto	Ditto	Provisional recognition extended to 1934.
47	Railway High School, Tundla, district Agra.	Ditto	Ditto.	
48	Radhasoami Educational Institute, Agra.	Persian. Sanskrit, Drawing, General Science and Agriculture	Ditto	Recognized provisionally in General Science and Agriculture up to 1933
49	Shoaib Muhammadia High School, Agra.	Persian, Arabic, Drawing, Science and Commerce	Ditto.	
50	D. A.-V. High School, Agra	Persian, Sanskrit, Drawing and Science.	Ditto	Provisional recognition extended to 1933.

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		AGRA DIVISION— *(concluded).*		
51	Ahir Kshattriya High School, Shikohabad.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi ..	Recognized provisionally up to 1932. Recognized permanently from 1933.
52	Sri Ram Chandra Victoria High School, Firozabad, district Agra.	Persian, Sanskrit, Drawing and Science	Ditto.	
53	Government High School, Mainpuri.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
54	Mission High School, Mainpuri ..	Persian, Arabic, Sanskrit and Science.	Ditto.	
55	Government High School, Etah..	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
56	A.-V. Pathshala High School, Kasganj (district Etah).	Sanskrit, Persian, Drawing, Science, History and Geography.	Ditto ..	Recognized provisionally up to 1933.
		ROHILKHAND DIVISION.		
57	Government High School, Bareilly	Persian, Arabic, Sanskrit, Drawing, Science, Commerce	Urdu and Hindi.	

58	Islamia A.-V. High School, Bareilly.	Persian, Drawing, History and Geography.	Ditto ..	Recognized provisionally up to 1933.
59	State High School, Rampur (*Rampur State*)	Persian, Arabic, Sanskrit, Drawing and Science	Ditto ..	Recognized provisionally in Science up to 1932.
60	Eastern Inglis Memorial High School, Bareilly.	Persian, Sanskrit and Drawing ..	Ditto ..	Recognized permanently in Science from 1933.
61	Western Inglis Memorial High School, Bareilly.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
62	Edward Memorial High School, Bareilly.	Persian, Sanskrit, *Drawing* and Science.	*Ditto* ..	Recognized provisionally in Science up to 1934.
63	C. A. S. High School, Faridpur (*Bareilly*).	Sanskrit, Persian, Drawing, History and Geography.	Ditto ..	Recognized provisionally up to 1933.
64	Government High School, Bijnor	Persian, Sanskrit, Drawing, Science and Commerce	Ditto. ..	Recognized provisionally in Science up to 1932.
65	Government Bulloch High School, Najibabad, district Bijnor	Persian, Arabic, Sanskrit, Drawing and Science	Ditto .	Recognized permanently in Science from 1933.
66	George Hindu Public School, Nagina	Persian, Sanskrit, History, Geography and Drawing	Ditto ..	Recognized provisionally up to 1934. Recognition in Drawing extended up to 1933.
67	*Government High School, Budaun*	Persian, *Sanskrit, Drawing and* Science.	*Ditto.*	
68	Meston Islamia High School, Budaun	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	

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Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		ROHILKHAND DIVISION—(*concluded*).		
69	Government Intermediate College, Moradabad.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
70	Coronation Hindu High School, Moradabad.	Persian, Sanskrit, Drawing, Science and Commerce	Ditto ..	Recognized provisionally in Commerce up to 1931
71	Parker High School, Moradabad..	Persian, Sanskrit, Drawing and Science.	Ditto.	
72	Hewett Muslim High School, Moradabad.	Persian, Arabic, Sanskrit and Drawing.	Ditto.	
73	Government High School, Amroha (district Moradabad).	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
74	Dhan Singh Memorial High School, Kanth (district Moradabad).	Persian, Sanskrit Drawing and General Science.	Ditto ..	Recognized provisionally in General Science up to 1933.
75	King George Union High School, Sambhal (district Moradabad).	Persian, Sanskrit and Drawing ..	Ditto ..	Provisional recognition extended to 1934. Recognized provisionally in Drawing up to 1933.

76	Shiam Sundar Memorial Intermediate College, Chandausi, district Moradabad.	Persian, Sanskrit, Drawing Science and Commerce	Ditto.	
77	Government High School, Shahjahanpur.	Persian, Arabic, Sanskrit, Drawing, Science, Manual Training and Commerce	Ditto.	
78	Beni Madho Satya Sabha High School, Shahjahanpur.	History, Geography, Persian, Sanskrit, Drawing, General Science and Commerce	Ditto	Recognized provisionally up to 1934. Recognized provisionally in General Science and Commerce up to 1933.
79	Abbie Rich High School, Shahjahanpur.	Persian, Arabic, Sanskrit, Drawing and Science	Ditto	
80	Government High School, Pilibhit	Persian, Sanskrit, Drawing, Science, Commerce and Manual Training.	Ditto.	
		ALLAHABAD DIVISION.		
81	Government High School, Farrukhabad	Persian, Sanskrit, Drawing and Science	Urdu and Hindi.	
82	Government High School, Fatehgarh	Persian, Sanskrit, Drawing, Science and Commerce	Ditto.	
83	Christian High School, Farrukhabad.	Persian, Sanskrit, Drawing and Science	Ditto.	

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Serial no.	School	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		ALLAHABAD DIVISION— *(continued).*		
64	Diamond Jubilee High School, Kanauj, district Farrukhabad	Persian, Sanskrit, Science and Agriculture.	Urdu and Hindi.	
65	Aditya Kumari Kshattriya High School, Tirwa, district Farrukhabad.	Persian, Sanskrit, Drawing and Science.	Ditto ..	Recognized provisionally up to 1934.
66	Government Intermediate College, Etawah.	Ditto ..	Ditto.	
67	Islamia High School, Etawah ..	Persian, Arabic, Drawing and Science.	Urdu.	
68	Sanatan Dharma High School, Etawah.	Sanskrit, Drawing, Science and Commerce.	Urdu and Hindi.	
69	Government High School, Cawnpore.	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Ditto.	
70	Halim Muslim High School, Cawnpore.	Persian, Arabic, Drawing, Science and Commerce.	Ditto ..	Recognized provisionally in Commerce up to 1932. Recognized permanently in Commerce from 1933.

	Gur Narain Khattri High School, Cawnpore.	Persian, Sanskrit, Drawing and Science.	Ditto .	Provisional recognition extended to 1932. Recognized permanently from 1933.
9	Christ Church High School, Cawnpore.	Ditto .	Ditto.	
93	Kanya Kubja High School, Cawnpore.	Persian, Sanskrit and Drawing .	Ditto.	
94	D A V. High School, Cawnpore .	Persian, Sanskrit, Drawing and Science	Ditto ..	Recognized provisionally in Science up to 1932.
95	Pandit Prithi Nath High School, Cawnpore.	Ditto ..	Ditto.	
96	Bishambhar Nath Sanatan Dharma Intermediate College, Cawnpore	Persian, Sanskrit, Drawing, Commerce, Science and Manual Training	Ditto.	
97	Shri Marwari Vidyalaya, Cawnpore	Sanskrit, Drawing, Commerce, *History and Geography*	Hindi ..	Recognized provisionally up to 1933
98	A.-V. Municipal High School, Nawabganj Cawnpore	History, Geography, Drawing, Persian and Sanskrit	Urdu and Hindi ..	Recognized provisionally up to 1933.
99	Government High School, Fatehpur.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
100	Government Intermediate College, Allahabad	Persian, Arabic, Sanskrit, Drawing, Science and Manual Training	Ditto	

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Serial No.	School	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted	Vernaculars in which recognition has been granted.	Remarks.
		ALLAHABAD DIVISION —*(concluded)*		
101	Ewing Christian Intermediate College, Allahabad.	Persian, Arabic, Sanskrit, Drawing, Manual Training, Agriculture and General Science	Urdu and Hindi.	
102	Kayastha Pathshala Intermediate College, Allahabad	Persian, Sanskrit, Drawing and Science.	Ditto.	
103	Vidyamandir High School, Allahabad	Persian, Sanskrit and Drawing ..	Ditto ..	Provisional recognition extended to 1933.
104	Daraganj High School, Allahabad	Persian, Sanskrit, Drawing and Science.	Ditto.	
105	D. A.-V. High School, Allahabad	Persian, Sanskrit, Drawing and Science.	Ditto ..	Recognized provisionally in Science up to 1934.
106	Modern High School, Allahabad..	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
107	City A.-V. High School, Allahabad	Persian, Sanskrit, Drawing, Science and Manual Training.	Urdu, Hindi and Bengali.	
108	Anglo Bengali Intermediate College, Allahabad.	Persian, Sanskrit, Drawing and Science.	Ditto.	

109	Majidia Islamia High School, Allahabad.	History, Geography, Persian and Drawing	Urdu	Recognized provisionally up to 1933.
110	Agarwal Vidyalaya, Allahabad .	Sanskrit, Drawing, Persian, History and Geography	Urdu and Hindi .	Ditto
		JHANSI DIVISION.		
111	Government Intermediate College, Jhansi.	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	
112	Government High School, Lalitpur	Persian, Sanskrit and Drawing	Ditto.	
113	MacDonnell High School, Jhansi	Persian, Sanskrit, Drawing and Science	Ditto.	
114	Government High School, Hamirpur	Persian, Sanskrit and Drawing .	Ditto	
115	Government High School, Orai (Jalaun).	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
116	Government High School, Banda	Persian, Sanskrit, Drawing and Science.	Ditto.	
		BENARES DIVISION.		
117	Queen's Intermediate College, Benares	Persian, Arabic, Sanskrit, Drawing and General Science.	Urdu and Hindi ..	Recognized provisionally in General Science up to 1933

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		BENARES DIVISION— *(continued).*		
118	Cutting Memorial High School, Benares.	Persian, Sanskrit, Science, Commerce and Manual Training.	Urdu and Hindi ..	Recognized provisionally in Manual Training up to 1933.
119	Sanatan Dharm Vidyalaya, Benares.	Drawing, Sanskrit and History ..	Hindi	Recognized provisionally up to 1933.
120	Jai Narayan's High School, Benares.	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	
121	Udai Pratap College and Hewett Kshattriya School, Benares.	Ditto ..	Ditto.	
122	Bengali Tola High School, Benares.	Persian, Sanskrit, Drawing and Science.	Urdu, Hindi and Bengali.	
123	Harish Chandra High School, Benares.	Ditto ..	Urdu and Hindi.	
124	Anglo-Bengali High School, Benares.	Sanskrit, Drawing and Science ..	Hindi and Bengali ..	Recognized provisionally in Science up to 1932. Recognized permanently in Science from 1933.
125	D. A. V. High School, Benares..	Ditto ..	Urdu and Hindi ..	Provisional recognition in Science extended to 193 .

126	Government High School, Mirzapur.	Persian, Sanskrit, Drawing and Science.	Ditto.	
127	Babu Lal Jaiswal High School, Mirzapur.	Ditto ..	Ditto.	
128	Anglo-Sanskrit Jubilee High School, Mirzapur.	Ditto ..	Ditto.	
129	Narottam Das A.-V High School, Chunar	Sanskrit, Persian Drawing, History and Geography	Ditto ..	Recognized provisionally up to 1933.
130	Government High School, Jaunpur.	Persian, 'rabic, Sanskrit, Drawing and Science.	Ditto.	
131	Priya Nath Ghosh High School, Jaunpur	Ditto ..	Ditto.	
132	Kshattriya High School, Jaunpur	Persian, Sanskrit, Drawing and Science.	Ditto.	
133	Government Victoria High School, Ghazipur.	Persian. Aral ic, Sanskrit, Drawing, Science and Commerce.	Ditto	
134	City High School, Ghazipur ..	Persian, Sanskrit, Drawing and Science.	Ditto.	
135	Government High School, Ballia	Ditto ..	Ditto.	
136	L D Moston High School, Ballia.	Persian, Sanskrit and Drawing .	Ditto.	

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Serial No.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		KUMAUN DIVISION.		
152	Government High School, Naini Tal.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi	
153	Lala Chet Ram Sah Thulgharia High School, Naini Tal.	Persian, Sanskrit, Drawing and Commerce.	Ditto.	
154	Government Intermediate College, Almora.	Persian, Sanskrit, Drawing and Science.	Ditto.	
155	Ramsay High School, Almora	Ditto ..	Ditto.	
156	Messmore High School, Pauri, Garhwal.	Sanskrit, Drawing and Science ..	Hindi ..	Provisional recognition in Hindi and Drawing extended to 1934. Recognized *permanently* in Science and Sanskrit from 1933.
157	Government High School, Srinagar (Garhwal).	Ditto ..	Urdu and Hindi.	
158	Udaraj Hindu High School, Kashipur.	Persian, Sanskrit and Drawing ..	Ditto.	
159	King George Government High School, Lansdowne.	Sanskrit, Drawing and Science ..	Ditto ..	Recognized provisionally in Science up to 1933.

LUCKNOW DIVISION.

160	Government Jubilee Intermediate College, Lucknow.	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Urdu and Hindi.	
161	Husainabad Government High School, Lucknow.	Persian, Arabic, Sanskrit, Drawing and Science	Ditto.	
162	C. M. S. Birkett High School, Lucknow.	Persian, Sanskrit, Drawing and Science.	Ditto.	
163	Kalicharan High School, Lucknow.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
164	Queen's Anglo-Sanskrit High School, Lucknow.	Ditto ..	Urdu, Hindi and Bengali.	
165	Lucknow Christian College, Lucknow.	Persian, Sanskrit, Science and Commerce.	Urdu and Hindi.	
166	Hari Chand High School, Lucknow.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto ..	Provisional recognition extended to 1933.
167	Aminabad High School, Lucknow	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	.

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		KUMAUN DIVISION.		
152	Government High School, Naini Tal	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
153	Lala Chet Ram Sah Thulgharia High School, Naini Tal.	Persian, Sanskrit, Drawing and Commerce.	Ditto.	
154	Government Intermediate College, Almora	Persian, Sanskrit, Drawing and Science.	Ditto.	
155	Ramsay High School, Almora	Ditto ..	Ditto.	
156	Messmore High School, Pauri, Garhwal.	Sanskrit, Drawing and Science ..	Hindi ..	Provisional recognition in Hindi and Drawing extended to 1934. Recognized permanently in Science and Sanskrit from 1933.
157	Government High School, Srinagar (Garhwal).	Ditto ..	Urdu and Hindi	
158	Uderaj Hindu High School, Kashipur.	Persian, Sanskrit and Drawing ..	Ditto.	
159	King George Government High School, Lansdowne.	Sanskrit, Drawing and Science ..	Ditto ..	Recognized provisionally in Science up to 1933.

		LUCKNOW DIVISION.		
160	Government Jubilee Intermediate College, Lucknow.	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Urdu and Hindi.	
161	Husainabad Government High School, Lucknow.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
162	C. M. S. Birkett High School, Lucknow.	Persian, Sanskrit, Drawing and Science.	Ditto.	
163	Kalicharan High School, Lucknow.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
164	Queen's Anglo-Sanskrit High School, Lucknow.	Ditto ..	Urdu, Hindi and Bengali.	
165	Lucknow Christian College, Lucknow.	Persian, Sanskrit, Science and Commerce.	Urdu and Hindi	
166	Hari Chand High School, Lucknow.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto ..	Provisional recognition extended to 1933.
167	Aminabad High School, Lucknow	Persian, Arabic, Sanskrit, Drawing and Science	Ditto.	

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		KUMAUN DIVISION.		
152	*Government High School, Naini Tal.*	Persian, Sanskrit, Drawing and Science	Urdu and Hindi.	
153	Lala Chet Ram Sah Thulgharia *High School, Naini Tal.*	Persian, Sanskrit, Drawing and *Commerce*	Ditto.	
154	Government Intermediate College, Almora.	Persian, Sanskrit, Drawing and Science.	Ditto.	
155	Ramsay High School, Almora	Ditto ..	Ditto.	
156	Messmore High School, Pauri, Garhwal.	Sanskrit, Drawing and Science ..	Hindi ..	Provisional recognition in Hindi and Drawing extended to 1934. Recognized permanently in Science and Sanskrit from 1933.
157	Government High School, Srinagar (Garhwal).	Ditto ..	Urdu and Hindi	
158	Uderaj Hindu High School, Kashipur.	Persian, Sanskrit and Drawing ..	Ditto.	
159	King George Government High School, Lansdowne.	Sanskrit, Drawing and Science ..	Ditto ..	Recognized provisionally in Science up to 1933.

		LUCKNOW DIVISION.		
160	Government Jubilee Intermediate College, Lucknow.	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training	Urdu and Hindi.	
161	Husainabad Government High School, Lucknow.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
162	C. M. S. Birkett High School, Lucknow.	Persian, Sanskrit, Drawing and Science.	Ditto.	
163	Kalicharan High School, Lucknow.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
164	Queen's Anglo-Sanskrit High School, Lucknow.	Ditto ..	Urdu, Hindi and Bengali.	
165	Lucknow Christian College, Lucknow.	Persian, Sanskrit, Science and Commerce.	Urdu and Hindi.	
166	Hari Chand High School, Lucknow.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto ..	Provisional recognition extended to 1933
167	Aminabad High School, Lucknow	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	

NOTE.—Science=Physics and Chemistry.

* These subjects are shown against the names of those schools only which are recognized after History-Geography was split up into two separate subjects with effect from the High School Examination of 1928.

Institutions against the names of which there is no mention of either History or Geography have been recognized in both these subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		LUCKNOW DIVISION— *(concluded).*		
185	Government High School, Lakhimpur.	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	
		FYZABAD DIVISION.		
186	Government Intermediate College, Fyzabad.	Persian, Arabic, Sanskrit, Drawing, Commerce and General Science.	Urdu and Hindi .	Recognized provisionally in Commerce up to 1932. Recognized permanently in Commerce from 1933. Recognized provisionally in General *Science* up to 1933.
187	Forbes High School, Fyzabad ..	Persian, Arabic, Sanskrit and Drawing.	Ditto ..	Provisional recognition extended to 1931.
188	Manohar Lal High School, Fyzabad.	Persian, Sanskrit, Drawing and Science.	Ditto.	
189	Government High School, Gonda	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
190	Aman Sabha High School, Gonda	Persian, Sanskrit, Drawing, History and Geography.	Ditto ..	Recognized provisionally up to *1933*.
191	Lyall Collegiate School, Balrampur, district Gonda.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto. .	

192	Government High School, Sultanpur.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
193	Government High School, Partabgarh.	Ditto ..	Ditto.	
194	Ajit Sombansi High School, Partabgarh.	Persian, Sanskrit and Drawing ..	Ditto	
195	Government High School, Bara Banki.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
196	Government High School, Bahraich.	Ditto ..	Ditto.	
197	Maharaj Singh High School, Bahraich.	History, Geography, Drawing, Persian and Sanskrit.	Ditto ..	Recognized provisionally up to 1934.
198	Bisheshwar Nath High School, Akbarpur.	Persian, Sanskrit, History and Geography.	Ditto ..	Recognized provisionally up to 1933.
		GIRLS' HIGH SCHOOLS.		
199	Lal Bagh Girls' High School, Lucknow.	Domestic Science, History and Geography.	Urdu and Hindi.	
200	Mahila Vidyalaya, Lucknow ..	Sanskrit, History and Geography	Hindi .	Recognised provisionally up to 1933.

NOTE.—Science=Physics and Chemistry.

* These subjects are shown against the names of those schools only which are recognized after History-Geography was split up into two separate subjects with effect from the High School Examination of 1928. Institutions against the names of which there is no mention of either History or Geography have been recognized in both these subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		GIRLS' HIGH SCHOOLS— *(concluded.)*		
201	Muslim Girls' High School, Lucknow.	Persian and Domestic Science ..	Urdu and Hindi.	
202	Balika Vidyalaya, Cawnpore ..	Sanskrit, Domestic Science and History.	Hindi and Bengali ..	Provisional recognition extended to 1932.
203	A. P. Mission Girls' High School, Dehra Dun.	Persian and Domestic Science ..	Urdu and Hindi.	
204	Mahadevi Kanya Pathshala, Dehra Dun.	Sanskrit and Domestic Science ..	Ditto ..	Provisional recognition extended to 1933.
205	M. E. Mission Girls' High School, Meerut.	Persian	Urdu.	
206	ueen Victoria Girls' High School, Agra	Domestic Science	Do.	
207	Theosophical National Girls' School and Women's College, Benares.	Sanskrit Drawing and Domestic Science.	Hindi, Bengali, Marathi and Gujarati.	Provisional recognition extended to 1933.

208	Crosthwaite Girls' College, Allahabad.	Persian, Sanskrit, Drawing and Domestic Science.	Urdu, Hindi, Marathi, Gujarati and Bengali.	Recognized provisionally in Domestic Science up to 1933.
209	Jagat Taran Girls' High School, Allahabad.	Sanskrit, Drawing and Domestic Science.	Bengali ..	Provisional recognition extended to 1933.
210	Mary Wanamaker Girls' High School, Allahabad.	Persian and Domestic Science ..	Urdu and Hindi.	
		HIGH SCHOOLS FOR EUROPEANS.		
211	St. George's Intermediate College, Mussoorie.	Recognized in all the subjects taught by the University for the Entrance Examination previous to the passing of the Universities' Act of 1904.		
212	St. Joseph's Collegiate School, Allahabad.	Ditto.		

NOTE.—Science=Physics and Chemistry.

* These subjects are shown against the names of those schools only which are recognised after History-Geography was split up into two separate subjects with effect from the High School Examination of 1928.

Institutions against the names of which there is no mention of either History or Geography have been recognised in both these subjects from a date prior to the separation of History and Geography as two different subjects.

APPENDIX A.

Dates of the High School, Intermediate, and Intermediate Examinations in Commerce and Agriculture of 1932.

In 1932—The High School, the Intermediate, the Intermediate Examinations in Commerce and Agriculture will commence on March 30, 1932.

APPENDIX B.

Byelaws of the Board framed under section 20 of the Intermediate Education Act, 1921.

1. At all meetings of the Board, seven members inclusive of the Chairman shall form a quorum.

2. If a quorum is not present thirty minutes after the advertised time of the meeting, there shall be no meeting.

3. If, in the course of a meeting any member calls attention to the absence of a quorum, the Chairman shall dissolve the meeting.

4. Every question shall be decided by a majority of the votes of the members present. In the case of the votes being equally divided, the Chairman shall have a second vote

5. If a member continuously disregards or questions any order or ruling of the Chairman made at a meeting of the Board, the Chairman may take the vote of the meeting as to whether such member shall not be suspended for that day. If the members present decide upon suspension, the Chairman shall declare the offending member suspended, and such member shall be bound immediately to withdraw.

6. No motion which has been negatived by the Board shall be again brought forward, except with the permission of the Chairman, within one year from the date upon which it was negatived.

7. All meetings of the Board shall be presided over by the *ex officio* Chairman of the Board. In the absence of the Chairman, the members present shall elect a Chairman.

8. Meetings of the Board and of its committees shall, unless for specia reasons the Chairman otherwise directs, be held at Allahabad.

9. The election of co-opted members of the Board shall be held at the annual meeting of the Board.

10. Notice in writing of meetings of the Board shall be despatched to all members of the Board not less than three weeks before the meeting, together with the agenda paper for the meeting.

11. No business other than that contained in the agenda paper shall be transacted at a meeting unless with the consent of the Chairman.

12. Notice of a motion or resolution to be moved at a meeting of the Board must be in the hands of the Secretary not less than 10 days before the meeting.

13. All questions as to whether proper notice of a motion has been given shall be decided by the Chairman, whose decision shall be final.

14. (a) No motion or resolution of which due notice has not been given may be moved at a meeting of the Board, except—

(1) to adjourn a debate,

(2) to adjourn the meeting,

(3) to dissolve the meeting,

(4) to change the order of business,
(5) to refer any matter to any authority of the department or the University or the Government,
(6) to pass to the next item of business,
(7) to appoint a committee,
(8) to resolve the meeting into a committee,
(9) to propose that the question be now put.

(b) A motion under (1), (2), (6) or (9) above shall be put to the vote without discussion.

(c) Motions under (1), (2), (3), (4), (6), (8) and (9) shall only be moved with the previous consent of the Chairman.

15. Every motion shall be affirmative in form, and shall begin with the words " that ".

16. Every motion must be seconded, otherwise it shall drop. The seconder of a motion may reserve his speech with the permission of the Chairman.

17. When a motion that is in order has been seconded, it shall be stated from the Chair, before it is discussed.

18 If no member rises to speak to the motion after it has been stated from the Chair, the Chairman shall proceed to put the question to the vote.

19. Not more than one motion and one amendment thereto shall be placed before the meeting at the same time.

20. A motion once disposed of shall not be again brought forward at the same meeting, or at any adjournment thereof.

21. No amendment shall be proposed which would in effect constitute a direct negative to the original motion.

22. Every amendment must be relevant to the motion upon which it is moved.

23. No amendment shall be proposed which substantively raises a question already disposed of by the meeting, or which is inconsistent with any resolution already passed by it.

24. The order in which amendments that are in order are to be taken up shall be determined by the Chairman.

25. An amendment must be seconded in the same way as a motion, otherwise it shall drop. A seconder of an amendment may reserve his speech with the permission of the Chairman

26. When an amendment that is in order has been moved and seconded, it shall be stated from the Chair.

27. The mover of a motion for dissolution or adjournment has no right of reply.

28. When the Chairman has ascertained that no other member entitled to address the meeting desires to speak the mover of the original resolution may reply upon the whole debate

29. No member shall speak to the question after the mover has entered on his reply.

30. When the debate is concluded, the Chairman shall, after summing up, if he so desires, put the question to the vote thus —

(1) If there is an amendment, the Chairman shall state the motion and the amendment and take the vote of the meeting.

(2) If the amendment is negatived, the original motion shall be again stated from the Chair, and, subject to the foregoing regulations, any other amendment which is in order may then be proposed thereto.

(3) If an amendment is carried, the motion, as amended, shall be stated from the Chair, and may then be debated as a substantive question, to which any further amendments to the original motion which are in order, so far as they shall be applicable, may be proposed, subject to the foregoing regulations. Such further amendments shall be disposed of in the same manner as the original amendment. When all the amendments have been thus dealt with, the Chairman shall take the vote of the meeting on the motion, as amended, as the substantive resolution

31. A motion for dissolution or adjournment may be moved at any time as a distinct question, but not as an amendment, nor so as to interrupt a speech.

32. If a motion for dissolution is carried, the business before the meeting shall drop.

33. If a motion for adjournment is carried, the meeting shall be adjourned, and the business shall be resumed at the adjourned meeting.

34. A motion for the adjournment at a debate to some specified date and hour may be moved in the like manner, and if it be carried shall have the effect of postponing the debate on the question under consideration till the date and hour specified, and the other items on the agenda paper shall be proceeded with. If the motion be negatived, the debate shall be resumed.

35. A meeting or a debate, renewed or continued after an adjournment is to be deemed one with that preceding the adjournment.

36. A motion to pass to the next item of business may be made at any time, in like manner, and subject to the same rules as one for adjournment. If such motion be carried, the motion under consideration and the amendment thereon, if any, shall drop

37. At any time after a motion or amendment has been made a member may request the Chairman to put the question, and, if it appears to the Chairman that the motion has been sufficiently discussed, he may close the discussion by calling upon the mover for his reply, and may then put the question to the vote.

(4) to change the order of business,

(5) to refer any matter to any authority of the department or the University or the Government,

(6) to pass to the next item of business,

(7) to appoint a committee,

(8) to resolve the meeting into a committee,

(9) to propose that the question be now put.

(b) A motion under (1), (2), (6) or (9) above shall be put to the vote without discussion.

(c) Motions under (1), (2), (3), (4), (6), (8) and (9) shall only be moved with the previous consent of the Chairman.

15. Every motion shall be affirmative in form, and shall begin with the words " that ".

16. Every motion must be seconded, otherwise it shall drop. The seconder of a motion may reserve his speech with the permission of the Chairman.

17 When a motion that is in order has been seconded, it shall be stated from the Chair, before it is discussed.

18 If no member rises to speak to the motion after it has been stated from the Chair, the Chairman shall proceed to put the question to the vote.

19. Not more than one motion and one amendment thereto shall be placed before the meeting at the same time.

20. A motion once disposed of shall not be again brought forward at the same meeting, or at any adjournment thereof.

21. No amendment shall be proposed which would in effect constitute a direct negative to the original motion.

22. Every amendment must be relevant to the motion upon which it is moved.

23. No amendment shall be proposed which substantively raises a question already disposed of by the meeting, or which is inconsistent with any resolution already passed by it.

24. The order in which amendments that are in order are to be taken up shall be determined by the Chairman.

25. An amendment must be seconded in the same way as a motion, otherwise it shall drop. A seconder of an amendment may reserve his speech with the permission of the Chairman.

26. When an amendment that is in order has been moved and seconded, it shall be stated from the Chair.

27. The mover of a motion for dissolution or adjournment has no right of reply.

28. When the Chairman has ascertained that no other member entitled to address the meeting desires to speak the mover of the original resolution may reply upon the whole debate.

50. Notice of meetings of committees may be sent to members by the Conveners through the Secretary or direct, but in the latter case a copy of the notice must invariably be sent to the Secretary.

51. Meetings of all ordinary committees of the Board shall, as far as possible, be held immediately before the meetings of the Board.

52. The Convener of a committee shall furnish to the Secretary a copy of the report of every meeting of the committee together with a list of the members present

53. The quorum of a committee shall not be less than a majority of the members constituting it.

54. If the meeting of a committee fails for want of a quorum, the meeting may be adjourned to some other date when the members present will, even in the absence of a quorum, transact the business notified for the original meeting. The business of a meeting which fails for want of a quorum may also be transacted by correspondence.

55. Committees of Courses may dispose of their business partly by meeting and partly by correspondence.

56. At meetings of committees of the Board every question shall be decided by a majority of the votes of the members present. In the case of the votes being equally divided, the person presiding shall have a second vote.

56(a). A member of a Committee of Courses or of the Curriculum Committee or of a Sub-Committee who has or has had any pecuniary interest in a book which is submitted to the Committee or Sub-Committee for consideration as a text-book or for class use shall withdraw from the meeting while the book is under discussion.

57. As soon as practicable, after meeting of the Board, a draft of the minutes of such meeting shall be submitted by the Secretary to the Chairman and attested by him The minutes shall then be printed and circulated to all members and such of them as were present shall, within a fortnight of the issue of the minutes, communicate to the Secretary any exceptions they may take to the correctness thereof. The minutes and the exceptions taken, if any, shall be laid before the next meeting of the Board and the minutes in their final form shall then be confirmed.

58. In any case not provided for by these byelaws the Chairman shall be entitled to give his own ruling as to procedure.

38. No member shall speak for more than fifteen minutes. When proposing a motion or amendment, or for more than ten minutes when seconding or speaking to a motion or amendment, or when replying.

39. The Chairman may, at any stage in the proceedings, at his own discretion or at the request of a member, explain the scope and effect of the motion or amendment which is before the meeting. He may also, at the conclusion of a debate, sum up the debate, if he so desires.

40. Any member may, with the permission of the Chairman, rise, even while another is speaking, to explain any expression used by himself which may have been misunderstood by the speaker, but he shall confine himself strictly to such explanation.

41. Any member may call the Chairman's attention to a point of order even while another member is addressing the meeting, but no speech shall be made on such point of order.

42. The Chairman shall be the sole judge on any point of order, and may call any member to order, and may, if necessary, dissolve the meeting or adjourn it to some hour on the same or the following day.

43. A motion or amendment may be withdrawn by permission of the Chairman by any member who has given notice of such motion or amendment.

44. Any motion or amendment standing in the name of a member who is absent from a meeting may be brought forward by any other member.

45. On putting any question to the vote, the Chairman shall call for an indication of the opinion of the Board by a show of hands in the affirmative and negative and shall declare the result thereof according to his opinion.

46. A motion for the appointment of a committee on a subject under debate may be made by any member at any time, and without previous notice.

47. A motion for the appointment of a committee must define the purpose for which the committee is to serve and the number of members to compose it. Amendments for enlarging or restricting the number may be made without previous notice. If the motion is carried, the member moving shall name the persons whom he wishes to form the committee. A ballot shall then be taken, if necessary, and the requisite number appointed from those who obtain the largest number of votes.

48. The convener of a committee shall be appointed at the time of the appointment of the committee.

49. The resolutions of a committee appointed by the Board shall be embodied in a report. The report shall be presented to the Board at its next meeting, subject to due notice.

22. Dr. Ishwari Prasad, History Department, Allahabad University.

23. Dr. Gorakh Prasad, Reader, Mathematics Department, Allahabad University

24. Mr. Saligram Bhargava, Reader, Physics Department, Allahabad University.

25. Rai Sahib S C Deb, Reader, Chemistry Department, Allahabad University (deceased)

26. Mr A C Mukerji, Reader, Philosophy Department, Allahabad University, Allahabad

27 Dr R N Ghosh, Lecturer, Physics Department, Allahabad University, Allahabad

28. Dr Iqbal Kishen Taimni, Lecturer, Chemistry Department, Allahabad University, Allahabad

29 Mr G D. Karwal, Economics Department, Allahabad University.

30 Mr. S M Zamin Ali, Allahabad University—(Arabic, Persian and Urdu).

31 Miss C R Poovaiah, Principal, Crosthwaite Girls' Intermediate College, Allahabad—(English)

32 Mr S Ranjan, Reader, Botany Department, Allahabad University Allahabad

33 Dr Hiru Lal Mehra, Reader, Zoology Department, Allahabad University, Allahabad

34 Mr Gokal Chand, Principal, Kayasth Pathshala Intermediate College, Allahabad—(English)

35 Mr Brij Raj, Professor, Kayasth Pathshala Intermediate College, Allahabad—(English and Hindi).

36 Mr N B. Mitra, Ewing Christian College, Allahabad—(Mathematics)

37 Mr. J C Powell-Price, Inspector of Schools, Lucknow-cum-Fyzabad Division, Lucknow—(History).

38. Dr Tara Chand, Principal, Kayasth Pathshala University College, Allahabad—(History and Urdu).

39 Mr B. N Kar, Principal, Anglo-Bengali Intermediate College, Allahabad—(English).

40. Dr K C Mehta, Professor of Biology, Agra College, Agra

41 Mr H. Krall, Professor of Chemistry, Agra College, Agra.

42 Mr. T D Sully, Professor of Philosophy, St John's College, Agra.

43 Maulvi S M. Ibn Ibrahim, Professor of Arabic and Persian, Agra College, Agra.

44. Mr. F. J Feilden, Principal, Agra College, Agra—(English).

45. Mr. J. D Tahb-uddin, Principal, Government Training College, Lucknow—(Geography).

46 Mr. Narayan Das, Principal, Radhaswami Educational Institute, Agra—(English and Logic).

APPENDIX C.

List of the Panel of Inspectors for the Inspection of Intermediate Colleges.

The following persons have been nominated by the Board under Regulation 4, Chapter VII of the Board's Regulations, for the inspection of Intermediate Colleges in association with the Divisional Inspector of Schools :—

1. Dr. S. A. Khan, Head of the Department of History, Allahabad University, Allahabad—(History).

2. Dr. P. K. Acharya, Head of the Sanskrit Department, Allahabad University, Allahabad—(Sanskrit and Bengali).

3. Dr. N. R. Dhar, Allahabad University, Allahabad—(Chemistry and French)

4. Mr. H. Tinker, Principal, Government Training College, Allahabad —(Geography and Science).

5. Dr S Higginbottom, Principal, Agricultural Institute, Naini (Allahabad)—(Agriculture)

6. Dr. W. S. Dudgeon, Professor of Botany, Ewing Christian College, Allahabad

7. Maulvi M A. Nami, Lecturer, Arabic and Persian, Allahabad University, Allahabad.

8 Mr. C. D. Thompson, Professor of Economics, Allahabad University, Allahabad

9 Mr W G P Wall (now Inspector of Schools, Allahabad division), —(Physics)

10 Mr. R. S Weir, Assistant Director of Public Instruction, Allahabad—(Science)

11 Dr Meghnad Saha, Professor of Physics, Allahabad University, Allahabad

12. Qazi Khurshed Ahmad, Vice-Principal, Government Intermediate College, Allahabad—(Mathematics)

13. Dr D. R Bhattacharya, Allahabad University—(Biology).

14. Dr Ram Prasad Tripathi, Allahabad University—(History).

15 Mr S K Rudra, Allahabad University—(Economics)

16 Pandit Amarnatha Jha, Allahabad University—(English and Hindi).

17 Dr J H Mitter, Allahabad University—(Biology).

18 Dr. Beni Prasad, Head of the Department of Political Science, Allahabad University.

19. Dr R. D Ranade, Head of the Philosophy Department, Allahabad University.

20. Dr. A. Siddiqi, Head of the Arabic and Persian Department, Allahabad University

21. Mr. A. C. Banerji, Head of the Mathematics Department, Allahabad University.

22. Dr. Ishwari Prasad, History Department, Allahabad University.

23. Dr. Gorakh Prasad, Reader, Mathematics Department, Allahabad University.

24. Mr. Saligram Bhargava, Reader, Physics Department, Allahabad University.

25. Rai Sahib S. C Deb, Reader, Chemistry Department, Allahabad University (*deceased*).

26. Mr. A. C. Mukerji, Reader, Philosophy Department, Allahabad University, Allahabad.

27. Dr. R. N. Ghosh, Lecturer, Physics Department, Allahabad University, Allahabad.

28. Dr. Iqbal Kishen Taimni, Lecturer, Chemistry Department, Allahabad University, Allahabad.

29. Mr. G. D. Karwal, Economics Department, Allahabad University.

30. Mr. S. M. Zamin Ali, Allahabad University—(Arabic, Persian and Urdu).

31. Miss C. R. Poovaiah, Principal, Crosthwaite Girls' Intermediate College, Allahabad—(English).

32. Mr. S. Ranjan, Reader, Botany Department, Allahabad University, Allahabad

33. Dr. Hira Lal Mehra, Reader, Zoology Department, Allahabad University, Allahabad.

34. Mr. Gokal Chand, Principal, Kayasth Pathshala Intermediate College, Allahabad—(English)

35. Mr. Brij Raj, Professor, Kayasth Pathshala Intermediate College, Allahabad—(English and Hindi)

36 Mr. N. B. Mitra, Ewing Christian College, Allahabad—(Mathematics)

37. Mr. J. C. Powell-Price, Inspector of Schools, Lucknow-cum Fyzabad Division, Lucknow—(History).

38. Dr. Tara Chand, Principal, Kayasth Pathshala University College, Allahabad—(History and Urdu)

39. Mr. B N Kar, Principal, Anglo-Bengali Intermediate College, Allahabad—(English).

40. Dr. K. C. Mehta, Professor of Biology, Agra College, Agra.

41 Mr. H. Krall, Professor of Chemistry, Agra College, Agra.

42. Mr. T. D. Sully, Professor of Philosophy, St. John's College, Agra.

43. Maulvi S. M. Ibn Ibrahim, Professor of Arabic and Persian, Agra College, Agra.

44 Mr. F. J. Feilden, Principal, Agra College, Agra—(English)

45. Mr. J. D. Tahb-uddin, Principal, Government Training College, Lucknow—(Geography).

46. Mr. Narayan Das, Principal, Radhaswami Educational Institute, Agra—(English and Logic).

47. Mr. D. L. B. Riley, Agra College, Agra—(History).

48. Mr. J. T. Goodchild, St. John's College, Agra—(Commerce).

49 Dr. K. C. Pandya, St. John's College, Agra—(Chemistry).

50. Dr. S. C. Sarkar, Principal, Balwant Rajput Intermediate College, Agra—(Biology).

51. Pandit Krishna Lal Misra, Agra College, Agra—(Sanskrit).

52. Mr. J. C. Taluqdar, St. John's College, Agra—(History).

53. Maulvi Abid Husain Faridi, St. John's College, Agra—(Persian).

54. Mr. H. Mark, St. John's College, Agra—(Logic).

55. Mr. Shyama Charan, Agra College, Agra —(Mathematics).

56. Mr. L. P. Mathur, St. John's College, Agra—(Zoology).

57. Mr. M. M. Sharif, Professor of Philosophy, Aligarh Muslim University, Aligarh—(Logic and Urdu).

58. Dr. L. K Hyder, Professor of Economics, Aligarh Muslim University, Aligarh—(Economics)

59. Mr. M. Hyder Khan, Professor of Chemistry, Aligarh Muslim University, Aligarh.

60. Dr. A. S. Tritton, Professor of Arabic, Aligarh Muslim University, Aligarh.

61. Major E. W Dann, Professor, Aligarh Muslim University, Aligarh —(Geography and English).

62. Mr. R Firebrace, Professor of English, Aligarh Muslim University, Aligarh.

63. Mr P. A. Rashid, Lecturer in English, Aligarh Muslim University, Aligarh.

64 Mr Inamullah, Reader in English, Aligarh Muslim University, Aligarh

65. Mr A B. A. Haleem, Professor of History, Aligarh Muslim University, Aligarh.

66. Mr Muhammad Habib, Professor of History, Aligarh Muslim University, Aligarh.

67. Dr. Syed Zafarul Hasan, Professor of Philosophy, Aligarh Muslim University, Aligarh.

68. Mr F. D. Murad, Reader in Physics, Aligarh Muslim University, Aligarh.

69 Dr. Qasim Ali Mansuri, Professor of Chemistry, Aligarh Muslim University, Aligarh.

70. Mr. Allah Baksh, Reader in Chemistry, Aligarh Muslim University, Aligarh.

71. Mr. Hamid-uddin Khan, Reader in Persian, Aligarh Muslim University, Aligarh.

72. Mr. Syed Hadi Husain, Reader in Persian, Aligarh Muslim University, Aligarh.

73. Pandit Ram Swarup Shastri, Reader in Sanskrit, Aligarh Muslim University, Aligarh.

74. Dr. Ataullah Butt, Reader in Zoology, Aligarh Muslim University, Aligarh.

75 Mr. A. M. Kureshy, Aligarh Muslim University, Aligarh—(Mathematics.)

76. Maulvi Mahdi Husain Nasiri, Headmaster, Government High School, Aligarh—(Arabic, Persian and Urdu) (deceased)

77. Mr. Chunni Lal Sahney, Principal, Government Intermediate College, Jhansi—(Physics)

78 Mr B Sanjiva Rao, Principal, Queen's Intermediate College, Benares—(English)

79. Mr. A. B. Dhruva, Pro-Vice-Chancellor, Benares Hindu University, Benares—(Sanskrit).

80. *Mrs. Padma Bai S. Rao, Principal, Theosophical National Girls'* School and Women's College, Benares—(English)

81. Pandit Gopinath Kaviraj, Principal, Government Sanskrit College, Benares—(Sanskrit).

82. Mr. B A. English, Principal, Udai Pratap College and Hewett Kshattriya School, Benares—(English).

83. Mr Chandi Prasad, Queen's Intermediate College, Benares—(Physics).

84. Mr. U C. Nag, Professor of English, Benares Hindu University, Benares.

85. Dr. P. N. Dutt, Professor of Physics, Benares Hindu University, Benares.

86 Dr. M. B. Rane, Professor of Chemistry, Benares Hindu University, Benares.

87. Mr. A. C. Dutt, Vice-Principal, Bareilly College, Bareilly—(English)

88. Mr. D P. Bhattacharya, Professor of Mathematics, Bareilly College, Bareilly.

89. Mr. W. Owens, Principal, Bareilly College, Bareilly—(English).

90. Pandit Tej Shankar Kochak, Agricultural School, Bulandshahr—(Agriculture).

91. Rev. C. D. Wood, Christ Church College, Cawnpore—(English).

92. Lala Diwan Chand, Principal, D. A.-V. College, Cawnpore—(English and Logic).

93. Dr. N. G. Chatterjee, Assistant Chemist, Government Technological Institute, Cawnpore.

94. Mr. P. Seshadri, Principal, Sanatan Dharm College of Commerce, Cawnpore—(English).

95. Mr. C. Maya Das, Principal, Agricultural College, Cawnpore—(Agriculture).

96. Mr. Hira Lal Khanna, Principal, B. N. S. D. Intermediate College, Cawnpore—(Mathematics).

97. Mr. S. C. Chatterji, Principal, Christ Church College, Cawnpore—(Logic and English).

98. Mr K. S Bhatnagar, Sanatan Dharm College of Commerce, Cawnpore—(Economics).

99 Pandit Har Dutt Sharma, Sanatan Dharm College of Commerce, Cawnpore—(Sanskrit).

100. Pandit Ajodhya Nath Sharma, Sanatan Dharm College of Commerce, Cawnpore—(Hindi).

101. Dr. Ganesh Prasad, Hardinge Professor of Higher Mathematics, Calcutta University.

102. Rai Saheb J. Mukerji, Principal, S. S. Memorial Intermediate College, Chandausi—(English) (*deceased*).

103. Mr. Lakshman Prasad, Principal, D. A.-V. Intermediate College, Dehra Dun—(English).

104. Mr. Sudhir Kumar Ghosh, Principal, Government Intermediate College, Etawah—(Physics).

105. Pandit Durga Dutt Joshi, Principal, Government Intermediate College, Fyzabad—(Chemistry).

106. Mr. B. G Nandi, St. Andrew's College, Gorakhpur—(Logic).

107. The Rev. A. C. Pelly, Principal, St. Andrew's College, Gorakhpur—(English).

108. Mr. C. L Mazumdar, N. R. E. C. Intermediate College, Khurja—(Economics).

109 Mr. Brahma Swarup—(English.)

110. The Rev Dr J R. Chitamber, Principal, Lucknow Christian College, Lucknow—(English and History).

111. The Rev. E. M Moffatt—(Commerce).

112. Mr S. B. Smith, Lucknow University, Lucknow—(History).

113. Dr. Radha Kamal Mukerji, Professor of Economics and Sociology, Lucknow University, Lucknow—(Economics and Civics).

114. Dr Wali Mohammad, Professor of Physics, Lucknow University, Lucknow—(Physics)

115. Mr. J. A. Strang, Professor of Mathematics, Lucknow University, Lucknow.

116. Dr. K. N. Bahl, Professor of Zoology, Lucknow University, Lucknow.

117 Dr. S. M. Sane, Reader in Chemistry, Lucknow University, Lucknow.

118 Rai Sahib Pandit Kali Prasad, Principal, Government Jubilee Intermediate College, Lucknow—(English).

119. Pandit M. L. Zutshi, Wazirganj, Lucknow—(English, Urdu and Persian)

120. Miss M. E. Shannon, Principal, Isabella Thoburn College, Lucknow—(English).

121. Mr. K. A. Subramanya Iyer, Reader in Sanskrit, Lucknow University, Lucknow.

122. Mr. Asit K. Haldar, Principal, Government School of Arts and Crafts, Lucknow—(Drawing)

123. Mr S. C. Sen, Principal, Shia Intermediate College, Lucknow—(Logic).

124. Mr. W A. Andrews, Officiating Inspector of European Schools, U. P. Naini Tal—(Geography).

125. Mr. N K Sidhanta, Lucknow University, Lucknow—(English).

126. Dr Radha Kumud Mukerji, Lucknow University—(History).

127. Prof P S. MacMohan, Lucknow University—(Chemistry).

128. Dr. Birbal Sahani, Lucknow University—(Botany)

129. Mr. L. R. M. Brander, Lucknow University—(English).

130 Miss M. A. Dummitt, Lucknow University—(English)

131. Dr. N N. Sen Gupta, Lucknow University—(Philosophy).

132. Mr. E Ahmad Shah, Lucknow University—(Philosophy)

133 Miss S I Vincent, Lucknow University—(History)

134. Dr Sukumar Banerji, Lucknow University—(History)

135. Mr. Bhujanga Bhushan Mukerji, Lucknow University—(Economics)

136 Dr M Z Siddiqi, Lucknow University—(Arabic)

137. Dr. Muhammad Bazlur Rahman, Lucknow University—(Persian and Urdu).

138. Mr. N. A Holdaway, Lucknow University—(French).

139 Dr D B Deodhar, Lucknow University—(Physics).

140 Dr Biraj Mohan Gupta, Lucknow University—(Chemistry).

141. Lieut S K Mukerji, Lucknow University—(Botany)

142. Dr. G S Thapar, Lucknow University—(Zoology).

143. Miss E. Thillayampalam, Lucknow University—(Zoology and Dom. Sc.).

144 Dr Lakshmi Narain, Lucknow University—(Mathematics)

145 Mr. B N Das Gupta, Lucknow University—(Commerce)

146. Mr. Z. S. Tamma, Professor of Physics, Meerut College, Meerut.

147. Mr Madho Prasad, Professor of Chemistry, Meerut College, Meerut (*deceased*).

148. Mr Chand Bahadur, Professor of English and History, Meerut College, Meerut.

149 Mr. F Shah Gilani, Professor of Persian, Meerut College, Meerut

150. Mr. G. N Basu-Mullick, Professor of History, Meerut College, Meerut.

151. Lieut.-Colonel T. F. O'Donnell, Principal, Meerut College, Meerut—(English).

152. Mr. V. P. Vidwai, Professor of Physics, Meerut College, Meerut.

153. Pandit Dharmendra Nath Shastri, Meerut College, Meerut—(Sanskrit).

154. Mr. F. J. Taraporewalla, Meerut College, Meerut—(History).

155. Mr J. P. Suda, Meerut College, Meerut—(Philosophy).

156. Rev. Brother S. J Darcy, Principal, St. George's College, Mussoorie—(English).

157. Rev. Brother J. B. Connolly, Principal, St. Joseph's College, Naini Tal—(Mathematics).

158. Mr. K. P. Bhatnagar, Professor, D. A.-V. College, Cawnpore—(Economics).

APPENDIX D.

List of the Teaching Staff of Colleges in the United Provinces recognized by the Board.

MEERUT COLLEGE, MEERUT.

Affiliated in Arts, 1892 and 1895; in Science, 1906; in Law, 1893.

This institution owes its origin to the liberality of the nobility and gentry of the Meerut division, who created an Endowment Fund for the encouragement of higher education within the division.

The College, which is aided by the Government and by the District and Municipal Boards, teaches up to the M.A., B.A., B.Sc. and LL.B. standards, and also for the Intermediate Arts, Science and the Commerce Examinations of the Board.

There is a Business department in which Typewriting, Shorthand and Book-keeping are taught.

The College stands on its own grounds, 63 bighas in extent. The building consists of (1) the College, (2) old Hindu Hostel including quarters for Indian Professors, (3) new Hindu Hostel with a Pooja Hall given by L. Hardeo Prasad, (4) third Hindu Hostel, (5) Muhammadan Hostel, (6) Principal's and Vice-Principal's bungalows. The College Hostels provide accommodation for 226 students and there are twelve Professors living in residential quarters in the College compound.

The new College building, which up to the present has cost about Rs. 1,00,000 consists of two wings, one containing the Arts classes and the other the Laboratories and Science lecture rooms, with workshop and gas plant.

The institution was founded in 1892, and is governed by a Board of Management, but the immediate control of the College is in the hands of an Executive Committee, three members of which are *ex-officio* and the rest elected by the Board of Management.

An endowment, producing some Rs. 400 annually, was given by the late Rai Ramanuj Dayal Bahadur. The endowment is spent in providing scholarships to poor students of the Meerut College.

There are also —

(1) Four L. Har Sahai Scholarships of Rs. 4 each.

(2) Rai Bahadur Nihal Chand Scholarship for the best Sanskrit student of the Vaish community. (Rs 60 a year.)

(3) Four L. Nanak Chand Scholarships (one for each year) for Hindu students whose circumstances render it difficult to continue their studies. (Rs 312 a year.)

(4) A Scholarship of Rs 5 per mensem on behalf of the Beopar Sahayak Bank, Ltd., Meerut, for a needy student of the Meerut College.

(5) Professors' and students' King Edward VII Memorial Scholarships (eight scholarships of Rs. 4 and eight of Rs. 3 each were awarded during the year 1924-25).

(6) Hafiz Abdul Karim Scholarships for needy Muhammadans. (During the year 1924-25 eight Scholarships of Rs. 600 in all were awarded.)

Besides these scholarships nine Government Scholarships were awarded during the year 1924-25 to the meritorious students of the College.

The "Hem Swarup Medal" is awarded annually to the best student in the fourth year B.A. class; the "Nirtya Kali Dassi Silver Medal" to the best student in the fourth year B Sc. class; and the "Ganga Saran Silver Medal" to the first student in the Intermediate Arts and the "Oswini Coomar Silver Medal" to the first student in the Intermediate Science class.

INSTRUCTIVE STAFF.

1. Lieut.-Col. T. F. O'Donnell, M C., B A. (Honours), Classics, Royal University, Dublin.	Principal.
2. V. S. Tamma, M.SC. (Allahabad) ..	Vice-Principal.
3. B. R. Chatterji, M.A. (Punjab), History and Economics, D.Litt. (Punjab), Ph D. (London).	Civics, XII.
4. G. N. Bose-Mullick, M.A. (Allahabad) ..	History, XI.
5. Chand Bahadur, M.A. (Punjab), History (Allahabad), English.	Head of the English Department.
6. Madan Mohan, M.A. (Benares) ..	Mathematics, XII.
7. J. N. Sinha, M A., F.R.S. (Calcutta) ..	Logic, XI.
8. Nand Lal Bhatnagar, M.A (Allahabad).	Economics, XII.
9. Dr S S. Joshi, D SC. (Lucknow) ..	Chemistry, XII.
10. F. S. Gilani, M.A. (Punjab) ..	Head of the Persian Department.
11. Dharmendra Nath Shastri, M.A., M.O L., (Punjab), M. R. A S, Tark Shiromani, Sanskrit.	Sanskrit, XI and XII.
12. V. P. Bidwai, M SC., LL B. (Allahabad)	Physics, XI.
13. Dr. Dori Lal Dubey, M A. (Allahabad) Economics, Ph.D., London.	Economics, XII.
14. Banwari Lal, B. COM. (Agra) ..	Shorthand, XII. Comml. Business Methods, Shorthand and Accounts, XI.

15. Rameshwar Dayal, M.A. (Allahabad) ..	Mathematics, XII.
16. J. C. Biswas, M.A. (Calcutta) ..	English Text, XII.
17. S. K. Tankha, B. Com (Bombay) ..	Commerce, Business Methods, Com. Geog., Correspondence and Accounts, XII. Commercial Correspondence and Com. Geography, XI.
18. H. M. Mukerjee, M.A. (Calcutta) ..	English Text, XII.
19. J. P. Suda, M.A. (Allahabad) ..	Logic, XII.
20. D. M. Roy, M.A. (Calcutta) . ..	Mathematics, XI and XII.
21. M. Mohd Sharif, M.Sc (Aligarh) ..	Chemistry, XII.
22. Radhika Behari Mathur, M.Sc (Allahabad).	Physics, XI and XII.
23. P. K. Goswami, M.A. (Allahabad) ..	English Text and English *General, Inter.* and Inter. Comm.
24. Updesh Narain Mathur, M.A. (Allahabad)	English General and English Text XI. Com. English Text, XII.
25. Someshwar Prasad Sinha, M.A. (Agra)	History XII; History, and Civics, XI.
26. Dhru Singh, M.A. *(Allahabad)*	*Economics, XI, Com.* Economics and Banking, XI and XII.
27. Mahipal Gupta, M.Sc (Allahabad) ..	Chemistry, XII.
28. Krishna Nand Pant Shastri, M.A. (Sans.) M. A (Hindi) M. O. L Sahitya Charya and Kavaya-Tirth	Hindi, XI and XII.
29. Shafi Ahmad Mazhary, M.A. (Bombay)	Urdu, and Persian, XI and XII.
30. Roop Narain Tandon (Bombay School of Arts).	Drawing, XI and XII.
31. Shital Prasad, M.Sc. (Allahabad) ..	Physics, XI and XII.
32. Pearey Lal Shastri (Punjab) .	Sanskrit, XI and XII
33. S. Mahmood Ali Giami, Munshi Fazil (Punjab).	Persian, XI and XII. Urdu, XII.
34. A. N. Chatterjee, M.Sc (Allahabad)	Chemistry, XI and XII
35. Roop Kishore, M.Sc (Allahabad) .	Physics, XI and XII
36. Dharmvir Singh, M.A. (Benares)	Mathematics, XI and XII.
37. Hira Lal Dubey, M.Sc (Allahabad) ..	Chemistry, XI and XII
38. Ganga Prasad Rajbanshi, M.A. (Lucknow).	English Text, XI and XII.

39. Ishwar Saran, M.A. (Agra) .. .. English Text, XI and XII.

40. Daya Ram, M.A. (Allahabad) .. English Text, XII, English General, XI.

41. Jai Prakash Rastogi, B. Com. Part I (Agra). Commerce: Typewriting, XI and XII.

DAYANAND ANGLO-VEDIC INTERMEDIATE COLLEGE, DEHRA DUN.

This institution was first started at Meerut in 1893 as a school under the control of a committee of management. The school was *afterwards* taken over to Dehra Dun in 1904 and the munificent liberality of Thakur Puran Singh Negi infused a new life into it. The signal success and improvement which began to attend the institution from 1912 encouraged the Managing Body to take steps for raising its status, and it was converted into an Intermediate College in 1922. It attracts students not only from different parts of India but also from places such as Nepal, Burma and Kabul.

The College has an ideal site commanding a view of the Himalayas and measuring about 20 acres. The College buildings which have been erected at a cost of three lakhs of rupees now comprise 16 spacious class rooms, a library, a Professors' common room and a big central hall. Two large wings called the Shatabdi Blocks have recently been completed at a cost of Rs. 54,000 containing four separate lecture halls and two laboratories.

The Hostels are surrounded by extensive playing fields and have accommodation for about 200 students. All Hostels have resident Superintendents, almost all of them being teachers in the College. The laboratories are equipped with adequate arrangements for practical work in Physics and Chemistry. The apparatus and chemicals alone cost Rs. 20,000. One lakh of rupees is annually spent on the maintenance of the College and Hostels. Attached to the College and under the control of the Principal is a Sanskrit Pathshala which imparts free instruction up to the standards of Shastri, Acharya and Tirtha Examinations of the various Indian Universities.

The staff consists of 37 experienced and qualified teachers, among whom are to be reckoned 9 M.A.'s and M.Sc's and 6 B.A's and B.Sc's trained or experienced.

Adequate provision has been made for the physical welfare of the students and athletic instruction is imparted according to Indian as well as European methods. Religious instruction constitutes a special feature of the institution. The College has Debating Societies, the object of which is to inculcate in the students a higher conception of civic life and stimulate the powers of expression. Extensive additions have been made to the

College Library which consists of carefully-selected educational books. The Reading Room is provided with useful periodicals, newspapers and magazines, both English and Vernacular. Drawing, Painting and Handicrafts receive special encouragement and the College Museum affords ample testimony to it. First-aid lectures are regularly given for the purpose of promoting social service among the students.

INSTRUCTIVE STAFF.

1.	Lakshman Prasad, M.A., Principal	English X and XI
2.	A. D. Banerji, M.A., B.L., Vice-Principal.	Civics, XI and XII; History, X to XII.
3.	B. N. Chhibbar, B.A., L.T. ..	English, Geography and History, X.
4.	S. C. Bhattacharya, M.A. ..	English, IX to XII.
5.	Rudra Prakash, M.A. ..	English, X to XII.
6.	A. S. Sinha, M.A., L.T. .	Mathematics, X to XII.
7.	L. N. Gupta, M.Sc	Chemistry, XI and XII; Science, IX.
8.	J. P. Ray, M.Sc . ..	Physics, XI and XII; Science, X.
9.	S. B. Roy, M.A.	Logic, XI and XII; English, IX and X.
10.	O. N. Saksena, M.A., L.T. .	Economics, XI and XII; English, IX and X.
11.	Mahendra Pratap, Shastri, M.A., M.O.L. ..	Sanskrit, X to XII; English, X
12.	Gaya Prasad Shukla, M.A. ..	Hindi, IX to XII.
13.	Jagmohan Swarup, M.A. ..	English, Mathematics and Geography, IX.
14.	Raha Ram Gupta, B.A. ..	Mathematics, IX and X, English, IX.
15.	Salig Ram, B.A.	English, X; History, X and IX
16.	Prem Singh, B.A.	English and History, IX.
17.	Mathura Prasad, B.Sc. .	Demonstration in Chemistry and Physics, XI and XII; Science, X Mathematics, IX.
18.	M. M. Agrawala B.Sc., L.T. ..	Demonstration in Physics and Chemistry, XI and XII, Science and Geography, IX.
19.	Ayodhya Nath Khanna, Senior Certificate, Mayo School of Arts, Lahore.	Drawing, IX and X.

20. Ram Chandra, Madhyama, I Khand Acharya, Advanced Hindi.	Hindi, IX.
21. Raghubar Dayal Acharya ..	Sanskrit, IX.
22 Syed Abbas Husain, Experienced	Persian, IX.

N. R. E. C. INTERMEDIATE COLLEGE, KHURJA.

The N. R. E. C. Intermediate College, Khurja, was established as a High School in 1902 by the late Hon'ble Rai Nathi Mal Bahadur, C.I.E., and his brother Lala Ram Sahai Mal. It continued to prosper under the fatherly care of the founders until 1915 during which period the main building consisting of a hall and 20 rooms and Govind and Hewett Hostels each accommodating about 100 students were built at a cost of about Rs. 1,59,319. The Hon'ble Rai Nathi Mal Bahadur, C.I.E., died in 1915, but he very sagaciously had made over the institution in his life-time to a Board of Trustees and had endowed it handsomely. The endowment at present consists of a village worth about Rs. 80,000 and cash Rs. 99,000, invested in various securities.

The Board of Trustees are managing the institution since 1909. Two very fine blocks, one Physics laboratory and the other for the Chemistry laboratory, have been built since and also a bungalow for the Principal and one set of six class rooms for classes IX and X at a cost of about Rs. 22,834, Rs. 16,310, Rs. 10,287 and Rs. 16,339 respectively.

Another block of six rooms has been built for the Intermediate and C.D. classes which were added in 1923 and 1924 respectively.

A hostel for College classes is nearing completion. The Government has generously given the entire cost of both the above.

INSTRUCTIVE STAFF.

1. C. L. Majumdar, M.A. (Hon.), in Economics and Politics (Cal.), B.T., (M.R.A.S.), Principal.	Economics, XI and XII.
2. R. S. D. Saksena, M.Sc. in Chemistry (Allahabad), Acting Vice-Principal.	Chemistry, I [illegible] XII.
3. S. S. Chaterji, M.Sc. in Mathematics (Benares).	Math[illegible]
4. B. N. Gour, M.A. (Hon.) in Philosophy (Luckn[illegible]).	Logic, XI and
5. H. N. Shukla, M.Sc. [illegible] (Benares).	Physics, I
6. B. L. Vaish, M.A. [illegible] (Allahabad), L. T.	English, G[illegible]

7. L. N. Tondon, M.A. in Persian (Allahabad), L. T.	Urdu, XI and XII; Persian, XI; Gen. English, XA and B.
8. B. N. Dave, M.A., in Hindi (Benares)	Hindi, IX to XII; Gen. English, IXC.
9. G. N. Singhal, M.A., in History (Allahabad) T. D.	English, IXB and IXC; Civics, XI; History, IX.
10. V. D. Chaturvedi, M.A., in History (Allahabad).	History, X and XII; Civics, XII; English, IX.
11. M. P. Shukla, M.A. in English, (Allahabad).	English, XIA, XIIA.
12. Jcti Swarupa, M.A., in Economics (Agra), B Com	Com. Geography, XI and XII; Economics. XIC and XIIC; Banking, XIIC.
13. Gopi Saran Bhatnagar, C. D. ..	Business method, and Typewriting, XIC, Commerce, IX and X.
14. Shri Ram Gupta, B COM. (Agra)	Book-keeping, Shorthand, Typewriting and Business Method, XIIC.
15. R. C Singhal, Inter. Grade Drawing, Bombay.	Drawing, IX and X.
16. Sultan Alum, Kamil Maulvi-Fazil Inter	Persian, IX, X and XII, Urdu, IX and X
17. D. Sheshachal Shastri, Kavitirtha (Cal.).	Sanskrit, IX to XII; Hindi, IX. and X.
18. Prem Behari Lal Singal, B.A., L.T.	Gen. English, IXA and IXB; Mathematics. IXC.
19. Murari Lal, B COM. ..	Gen English, XI, Com. and XII Com., Book-keeping, XIC.
20. L. N Gupta, B Sc., L. T. .	Mathematics, IXA and B.
21. Bhagwat Swarup, B Sc ..	Science, IX. Demonstrator.

AGRA COLLEGE, AGRA.

In 1818 Pandit Ganga Dhar Shastri bequeathed to the East India Company the rents of certain lands in the districts of Aligarh and Muttra for the promotion of education. In accordance with the Shastri's will the Agra College was opened in 1823, the endowment then yielding over Rs. 22,000 a year. Subsequently, Government added to the income and raised the College to its present status.

In 1883 the management was transferred to a Board of Trustees. At the time of the transfer the Trustees made an appeal to the noblemen and gentlemen of the Province of Agra, and a lakh of rupees was added to the endowment while the capital of the Scholarship Fund was raised from Rs. 25,000 to Rs. 58,500. The Maharaja of Bharatpur maintains additional scholarships.

The immediate control of the College is in the hands of a committee, two of the members of which are official, the rest nominated by the Trustees.

The College formerly consisted of two departments, viz., the College proper under a principal and the School under a head master. But in July, 1909, the School department was handed over to Government by the Trustees in order that they might be free to devote all their resources for the benefit of the College.

There are 422 students enrolled in the Intermediate (Arts and Science classes, 331 in the degree and post-graduate classes of the College department and 204 in the Law department, including 65 students who have taken both M. A. or M. Sc. and Law simultaneously.

There are 378 College students residents in the College Hostels and 77 in the Caste Boarding Houses.

INSTRUCTIVE STAFF.

1.	F. J. Fielden, M.A. (London), M.A. (Cantab).	Principal.
2.	Chandra Puri Goswami, M.A., LL.B. (Allahabad).	Professor of English.
3.	Syed Mohd. Ibn Ibrahim, M A. (Allahabad), First Class, Arabic.	Ditto Arabic and Persian.
4.	Krishna Lal Misra, M A. ..	Professor of Sanskrit.
5.	P. M. Bhambhani, B A. (Hons.), M. A. (Bombay).	Ditto Philosophy.
6.	Hari Ram, M.A , B.T. (Punjab), English, M.A. (Allahabad), Philosophy.	Lecturer in English.
7.	Nagendra Nath Mookerji, M.A., (Calcutta), English, F.R.E.S. (London).	Ditto ditto.
8.	Shyam Sundar Chaturvedi, M.A.	Ditto ditto.
9.	Mela Ram Verma, B.A. (Hons.) M.A. (Punjab).	Ditto ditto.

10.	Agha Mahdi Husain, M.A. ..	Lecturer in	History.
11.	Bishan Narain Varma, M.A. ..	Ditto	ditto.
12.	Mannoo Lal Misra, M.A. 1st class, First.	Ditto	Mathematics.
13.	Rama Kant Chaturvedi, M.Sc. B Sc. (Hons.), (Lucknow).	Ditto	ditto.
14.	Budh Sen Agarwala, M A. 1st class.	Ditto	Economics.
15.	Kashi Prasad Mathur, M A. ..	Ditto	ditto.
16.	Sri Krishna Saxena, M.A 1st class, First.	Ditto	Philosophy.
17	Jang Bahadur Jha, M Sc. .	Ditto	Chemistry.
18.	Praneshwar Nath Kathju, M.Sc.	Ditto	ditto.
19.	Purshottam Das Goyal, M Sc. ·	Ditto	ditto.
20.	Sukhdeo Prasad Khandelwal, M Sc. F.O.I. (Birm.)	Ditto	Physics.
21.	Madho Lal Jaiswal, M Sc. ..	Ditto	ditto.
22.	Sada Behari Raizada, M.Sc. ..	Ditto	ditto.
23.	Salig Ram Sud, M Sc. ..	Ditto	Botany.
24.	Babu Lal Gupta, M Sc. ..	Ditto	ditto.
25.	Nawal Kishore Singh, M Sc ..	Ditto	Zoology.
26.	Jagan Nath Tiwari, M A., (Sanskrit) 2nd class, First, M.A., (Hindi) 1st class, First, Shastri, 1st class, First.	Ditto	Hindi
27.	Lalta Prasad Saxena, M Sc. ..	Demonstrator in	Chemistry
28.	Rameshwar Dayal Gupta, M.Sc.	Ditto	ditto.
29.	*Vacant*	Ditto	ditto.
30.	Ram Swarup Singh, M.Sc. ..	Ditto	Physics
31.	Mata Prasad Mathur, M Sc. ..	Ditto	ditto.
32.	Raghunandan Prasad Varma, M Sc.	Ditto	Zoology.
33.	Rup Kishore Kapoor, M Sc. ..	Ditto	Ditto.
34.	Panchanan Maheshwar, M Sc. 1st class, First.	Ditto	Botany

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ST. JOHN'S COLLEGE, AGRA.

The College is under the general control of the Church Missionary Society and a Governing Body of which the Bishop of Lucknow is *ex-officio* Chairman.

The object of the College is twofold: to provide education on Christian principles for the Christian under-graduates of the University and to provide an opportunity for those who have been brought up in the religious atmosphere of a mission school to continue their student life in surroundings similar to those to which they have grown accustomed.

The Degree and Intermediate classes have not been separated and the students of both the classes live together in the five College Hostels.

The College provides instruction in Arts, Science and Commerce for both Intermediate and Degree students.

There are various scholarships both for Christian and non-Christian students, details of which may be had from the College office.

INSTRUCTIVE STAFF.

The Rev. W. E. S. Holland, M.A. (Oxon.) Principal.
The Rev. T. D. Sully, M.A. (Oxon.) Vice-Principal.

English.

C. Mahajan, M.A., (Bombay), B.A. (Oxon). English, XII.

S. P. Sharma, M.A. (Allahabad) .. English, XII.

P. C. Gupta, M.A. (Allahabad) .. Translation and Composition (English), XII.

S. P. Adinaraynaiah, M.A. (Madras) English, Non-detail I Arts and Science, General English, XII.

T. R. Milford (On leave) .. English, XI and XII.

History.

J. C. Taluqdar, M.A. (Calcutta) History, XII.
P. C. Addy, M.A. (Calcutta) .. History, XI and XII.
The Rev. W. E. S. Holland, M.A. (Oxon.) History, XI.

Economics.

G. T. Gideon, M.A. (Agra) .. Economics.

Mathematics.

C. B. Chaturvedi, M.A., B.Sc. (Allahabad). Mathematics, XII.
E. Dudley Smith, B.A. (Cantab). Mathematics, XI and XII.
Akbar Ali Khan, M.A., B.Sc., LL.B. (Agra) Mathematics, XI and XII.

Geography.

Ram Nath Sharma, M.A., B.Com. (Agra). Geography, XI and XII.

Persian.

Abid Husain Faridi, M.A. L.T. (Allahabad) — Persian, XI and XII.

Hamid Husain Kadri, Inter. H P., H P U. — Persian, XII.

Wali Mohammad Khan, Matric, H. P. Mulla Fazil. — Persian, XI and XII.

Urdu

Abid Husain Faridi, M.A., (Alld), L.T. — Urdu, XII.

Hamid Husain Qadri, Inter. H.P, H.Q U — Urdu, XI and XII.

Wali Muhammad Khan, Matric, H.P, Mulla Fazil. — Ditto.

Hindi.

Hari Har Nath Tandon, M A. (Benares). — Hindi, XI and XII.

Logic

S. P Adinarayan ab, M A, (Madras). — Logic, XI and XII.

Chemistry

K. C. Pandya, M A, Ph.D, D I C. — Chemistry

F. C Bosman, B Sc. .. Chemistry, XI Lectures, and XII Practical.

S. C. Banerji, M Sc. .. Chemistry, Intermediate practical.

Botany

N. M. Mukerji, M Sc. .. Botany, XII Lecture.

C. S Krishnamurti, M Sc. .. Botany, XI Lecture, XI and XII Practical

Physics

K. C Banerji, M Sc. (Allahabad) — Physics, XII Lectures and Practical.

Shanti Swarup, M Sc, (Lucknow) — Physics, XI Lecture and XI and XII Practical.

Kesho Prasad Mathur, M Sc (Agra). — Physics, XI and XII.

Zoology

L. P. Mathur, M.Sc. .. Zoology, XII.

Beni Charan, M.Sc . Zoology, XI.

R. P. Cornelius, M Sc. .. Zoology, XII (a part of the work).

C. T. Gideon, M.A. (Agra) ..	Economics, XI and XII Arts and Economics and Geography in XI and XII Com.
R. S. Dwivedi, M.A., B., COM. ..	Banking, XII Com.
R. R. Gupta, M.A. (Cal.), B.A. (Punjab), B. COM. (Allahabad).	Mathematics, XII Com.
N. Timothy, M.A. (Agra); B. COM. (Lucknow).	Book-keeping and Accountancy, XI and XII, Com. Business methods, XII Com.
E. W. Lall, Shorthand and Type-writing, Diploma from Lucknow Christian College Pitman's Certified Teacher (Bath).	Shorthand and Typewriting, XI and XII Com.

RADHASWAMI EDUCATIONAL INSTITUTE, AGRA.

This institution was founded by the Radhaswami Satsang Sabha, Dayalbagh, Agra, with the object of placing the education of boys and girls on a sound moral and spiritual basis. It was raised to the High School standard in July, 1918, and to the status of an Intermediate College in 1922. The institution is recognized in History, Geography, Persian, Sanskrit, Science and Drawing for the High School Examination and in Physics, Chemistry, Biology, Mathematics, History, Economics, Logic, Persian, Sanskrit, Urdu and Hindi for the Intermediate Examination of the Board.

The institute is located in a healthy locality outside the township of Agra and classes are conducted in a magnificent double-storied building of red brick interspersed with white marble, constructed by the Sabha at a considerable cost.

The management of the institution is placed in the hands of a Managing Committee consisting of eleven members. The institute is in receipt of grant from the provincial revenues and the difference between the income and expenditure of the Institute is made good by the Radhaswami Satsang Sabha from its funds besides meeting this difference, the Sabha has, up to this time, spent about 5 lakhs on the construction and equipment of College buildings, hostels, residential quarters for the staff, etc.

Of the important and distinguishing features of the Institute mention may be made of the following :—

(1) The majority of the students live in the hostels and quarters have been provided to almost all the members of the staff in the vicinity of the Institute, so that they may associate closely and frequently with the pupils.

(2) It is an all-India institution and boys from all parts of the country are admitted and made to live and dine like members of a common brotherhood.

(3) Manual Training is encouraged among the senior boys and facilities for the same are provided in our Model Industries workshop.

(4) A religious class is held every Sunday in which lectures are delivered on non-denominational theistic subjects and general principles of morality, with the object of making the students God-fearing and God-loving young men.

INSTRUCTIVE STAFF.

1. Narayan Das, B A, sc. (Allahabad), F R S A, Principal.	General English, IX and X.
2 Badri Prasad Mathur, M A. (Allahabad), T. Dip (London), Member of the Royal Society of Literature.	English, IXA, X and XI.
3. Gur Prasad Mehra, B A. (Allahabad), B.T. (Punjab)	Geography, X
4. Nand Lal Gheik, B Sc, Honours (Wales), F C.S. (London)	Chemistry, XII and XI. Science practical, IX.
5. Som Prakash, M.Sc. (Allahabad)	Biology, XI and XII and Geography, IX.
6. Gurdeo Prasad Sinha, M Sc (Allahabad).	Physics, XI and XII, Mathematics, XI.
7. Ram Charan Prasad, B Sc. (Allahabad), L.T. (Benares).	Science, IX and X.
8. Gur Prasad Mathur, B.A. (Allahabad), L.T. (Benares).	English, X.
9. Babu Ram Jadon, M A. (Allahabad), M.A. (Patna).	History, IX to XII, Hindi, X and XI.
10. Dhirendra Lal Pal, M.A. (Calcutta).	Logic, XI and XII and English, IX A
11. Sant Prasad, M.A. (Agra).	Economics. XI and XII.
12. Prem Sarup Nigam M.A (Agra) .	Mathematics, X, XI and XII.
13. Hari Ram Keval Ram Ani, B.A Honours (Bombay), M A. Previous, (Agra).	English, XII and IX B.
14. Kamta Prasad, Mulla (Allahabad), Munshi Fazil (Punjab) and Inter.	Persian, X and Urdu, XII, X and IX
15. Mani Rām Shastri, Sahitya Tirtha (Calcutta).	Sanskrit, X and IX, Hindi, IX and XI.

16. Mirza Mohammad Qasim, Government School of Arts and Crafts (Lucknow). .. Drawing, X and IX.
17. Nathu Lal Verma, Intermediate, C. T. (Lucknow). .. Mathematics, IX-A.
18. Pyare Lal Saluja, Matric .. Mathematics, IX-B.
19. Jwala Prasad, Matric .. Geometrical Drawing, X and IX.

BALWANT RAJPUT INTERMEDIATE COLLEGE, AGRA.

The origin of this Institution may be traced back to the year 1885, when Thakur Umrao Singhji and his brother, Kunwar Nanni Lal Singhji of Kotla, established a Boarding House in their private residence at Bagh Farzana at Agra with only 20 Rajput boys under a Superintendent and a Tutor. They forthwith enlisted the support of several Rajput zamindars, chief among whom were—Raja Baldeo Singhji of Awagarh, Raja Lachman Singhji of Wazirpura, Kunwar Lekhraj Singhji of Gabbana and Thakur Kalyan Singhji of Jalalpur.

In 1886, Raja Balwant Singhji, C I E. of Awagarh, feeling the want of a suitable English school for Rajput boys, in which the traditional characteristics of the race could be fostered, purchased the present site of the college with a few old dilapidated buildings at a cost of Rs 13,000. Subsequently, a sum of rupees one lakh was paid from his Estate for the construction of the school buildings which were constructed, during 1907-08 and 1912-13, at a cost of Rs. 1,03,000 through the munificence of the said Raja Sahib.

In 1887, the Hostel was formally opened by Sir Auckland Colvin, the then Lieutenant-Governor of the United Provinces, and was named the Jubilee Rajput Boarding House.

By the year 1889, the school was placed on a firm footing through the strenuous efforts of Raja Balwant Singhji of Awagarh and the Hon. Raja Rampal Singh Bahadur of Kalakankar. The school was formally opened by Mr. Imfrey, then Commissioner of Agra division.

In 1908, the school passed directly under the management of Raja Balwant Singhji and enjoyed his paternal care until his demise in 1909. He had, however, left by a codicil of his will, the enormous sum of rupees 9 lakhs for the maintenance of the school which, since then came to be known as the Balwant Rajput High School in loving memory of its illustrious founder The whole of this sum in Government Promissory notes is kept in deposit with the Treasurer of Charitable Endowments for the United Provinces, bearing interest at 3 per cent.

The Balwant Rajput High School Trust came into being in 1915 and His Honour the Lieutenant-Governor of the United Provinces condescended to become a visitor of the School. The School, and since lately

the College, is under a Committee of Management of which the District and Sessions Judge of Agra is the President and Raja Suryapal Singhji Sahib of Awagarh is the Vice-President and Honorary Secretary.

The admirable success which began to attend the Institution in past years encouraged the Managing Committee to raise its status and it was transformed into an Intermediate College in 1928. At present it is affiliated to the Board of High School and Intermediate Education, United Provinces, for the Arts Section only, but steps are being taken to start the Science section in the coming year. A sum of Rs 1,40,000 has now been given by Raja Suryapal Singh Sahib of Awagarh from his private purse for the advancement of the College.

The College enjoys an ideal site with seven extensive play-grounds within the College area The Boarding House provides accommodation for 300 boys and is divided into 8 blocks, viz, (1) Kashmir block, (2) Udaipur block, (3) Awagarh block, (4) Jaipur block, (5) Bikaner block, (6) Karauli block, (7) Jodhpur block and (8) Alwar block, after the name of Rajput states.

There is a separate Boarding House outside the College compound for boys under 14 years, placed under the charge of a house master and a whole-time Doctor of the College, who resides there.

In 1922 the Warden system was introduced in the Hostels, which is still in vogue with added facilities for the wards

The Hostel has a dispensary which is attended by the whole time Doctor and is also provided with a Library and a Reading-Room apart from those existing in the College.

The College Library contains more than 3,000 volumes and large additions are being made every day. The College has a big Central Hall, spacious Class-rooms and a well equipped Reading-room regularly supplied with periodicals, newspapers and magazines There is also a religious instructor and prayers are regularly offered by the students under his guidance Admission is open to all but reduced fees are charged from the Rajputs

Besides the college scholarships aggregating Rs 2,580 awarded to deserving students, there are also special Awagarh Scholarships amounting to Rs. 288.

The College has a Literary Society and publishes a quarterly Magazine which provide ample facilities to the students to improve their literary faculties.

One of the special features of the College is the strict attention paid to compulsory games and sports directed by the Games Secretary, the Drill Master and the members of the Staff.

INSTRUCTIVE STAFF.

1.	Dr. S. C Sarkar, Ph D. (London), F.Z S. (England), Principal.	Science, X and IX.
2.	P. C. Goswami, B. Sc, L.T. (Allahabad), Vice-Principal.	Science, XA and IXA and B.
3.	Sabal Singh, M.A. (Mathematics, Agra), B.Sc. (Allahabad).	Mathematics, XI, and XII; Practical Science, X and IX.
4.	B C. Mukerji, B.A. First class Hons, M.A, (Philosophy, Calcutta).	English, XA and B.
5.	K. C. Mazumdar, B.A. (Hon, Calcutta), M A, English, (Calcutta).	English, Commerce, XII, XI and XA.
6.	Jai Pal Singh Rawat, M.A. (History, Aligarh), LL.B. (Aligarh).	History, XI, XII and XA; English, History, IXA.
7.	S. L. Agrawal, M.A. (Economics, Allahabad), B.Sc. (Allahabad).	Economics, XI and XII; Mathematics, XB.
	Ram Prasad Saraswat, M.A. (Agra), L T. (Benares).	Dictation, IXA and IXB; Hindi XI; English composition, XB.
9.	(Vacant), ...	English Text and English Composition, IXA and B; History, IX.
10.	Rama Nath Sharma, B Com. (Agra), M.A. previous (Agra).	Geography, IXB and XB; Commerce, IX and X.
11	Sardar Singh, B. Com. .	Commerce, IX.
12.	Ganesh Lal Saraswat, Sahityopadhyaya (Benares).	Sanskrit, XI to IX.
13.	M. Asrar Husain Khan ..	Drawing, IX and X.
14.	Ram Bharose Lall Tripathi, Kabyashastri.	Hindi, IX and X.
15.	Muhammad Husain ..	Urdu, IX and X.
16.	(Vacant) . ..	Agriculture, IX.

DHARMA SAMAJ INTERMEDIATE COLLEGE, ALIGARH.

This institution is maintained by the Dharma Samaj Society founded by the late Rai Sahib L Badri Prasad, a prominent rais of Aligarh. The main object of the Society, which is a registered body according to Societies Registration Act, XXI of 1860, is to spread education. This Society started a Sanskrit Pathshala about the end of the last century; but owing to the increasing demands of English education and want of accommodation in the local High Schools, English classes were added to the Pathshala

and it was recognised as a Middle School in 1909. Two years later it rose to be a High School and from 1911 to June, 1929, it continued to be called the Dharma Samaj High School. The College classes have been opened from July, 1929. The Dharma Samaj Intermediate College is recognised by the Board of Secondary and Intermediate Education for the teaching of History, Logic, Mathematics, Economics, Sanskrit, Persian, Hindi and Urdu. From July, 1930, the College has been recognised for the teaching of Science-Physics and Chemistry in the Intermediate classes and to ensure efficient teaching of these subjects, two separate laboratories have been fully equiped. In addition to teaching the ordinary subjects of the curriculum prescribed by the Department of Education and the Board, a special course of lessons on religious instruction is taught to the students

Its immediate control is in the hands of the Managing Committee of the Dharma Samaj Society assisted by an Education Committee of which the Principal is an *ex officio* member.

The institution gets a grant from the Provincial Government and the Aligarh Municipal Board It also gets income from landed property endowed by the late Rai Sahib L. Badri Prasad and interest on Rs. 42,000 invested in Government securities.

The main College building consists of a big hall having on two of its sides seven small class rooms for the teaching of some optional subjects. In addition to this there are three blocks, the biggest of which consists of 12 class rooms, 6 of them being 22 feet by 25 feet each, and 6 (six) 22 feet by 35 feet each. There are two side blocks of 4 rooms each. Classes from VII to XI are accommodated in these rooms The lower classes from III to VI have been shifted to a newly constructed separate building

There are at present two rented hostels attached to the college. A new hostel building has been almost completed in the college premises. The College has acquired an adjoining plot of land measuring about 12½ acres. The ground has been properly levelled, and provides accommodation for several playing fields for hockey, foot-ball, cricket, volley-ball, etc

The College has its own monthly magazine to which students are encouraged to contribute frequently In addition to this, the College possess a number of students associations that contribute to its corporate life : the Student's Common Room, the Debating Society, the Hindi Sahitya Parishad, the Dharma Samaj College Athletic Association, the Scout Troop, the Junior Red Cross Society, the Old Boys' Association and the Brotherhood Association, the principal aim of which is to give help to poor deserving students There is a running shield for Elocution Competition presented by the Hon'ble Rai Bahadur Sir Sita Ram, M.A., LL.B., President of the United Provinces Legislative Council in honour of his late father L. Jugal Kishore Ji.

INSTRUCTIVE STAFF.

1.	Brahma Swarup, M A, Principal	English Prose, XI and XII.
2.	Ram Prasad Saksena, M.A., L.T, Vice-Principal.	History, XII, XI and X.
3.	Murlidhar Tandon, M.A., B T., LL.B.	Economics, XII, XI and English X
4	Bankey Lal Govila, M.A., LL B.	Mathematics, XII and XI.
5.	G. P. Arya Ratna, M.A. ..	English Poetry and General English, XII and XI.
6.	Shanti Chandra Gupta, M A., L.T.	English, XII and XI.
7.	Baij Nath, M.A. . ..	Logic, XI and XII, General English, XI and IX.
8.	L S. Bhatia, M sc., (Chemistry)	Chemistry, XI and XII.
9.	R. S Bhargava, M sc. (Physics)	Physics, XI and XII,.
10.	G. C. Sharma, M.A., V T.C. ..	Hindi, XII, XI and X.
11.	Ram Chandra Acharya, Sanskrit	Sanskrit, XII, XI, X and Hindi, IX and X.
12.	Ram Swarup Sharma, Dabir .. Kamil.	Persian, XII to IX.
13	Dhiraj Lal Sabra, B.A, Kamil	Urdu, XII to IX.
14.	Bhagwati Prasad Mital, B.A, L.T.	English and Mathematics, IX and X.
15	Ram Swarup Jain, B.A., B T. ..	English and Mathematics, IX and X.
16	Bal Mukand Pali, B A., L.T. ..	Geography, IX and X; English X.
17.	Promode Bihari Mathur, B.SC, L T.	Science, IX and X; Mathematics, IX
8	Govind Narain Saharyia, B'A, L.T.	History, IX; English IX.
9.	Kishori Lal Gupta, M A, C.T. ..	English, IX and Hindi, IX.
20.	Kishori Mohan, B A., LL.B. ..	General English, IX and X.
21.	Brij Nandan Lal, B A. ..	Mathematics, IX.
22.	Bhagwat Swarup, Drawing Inter (Bombay)	Drawing, IX and X.
23.	Tika Ram Sharma, V.T.C., Sanskrit Prathma, and Advanced Hindi.	Hindi, IX and X.
24	Ganga Prasad Gautam Shastri	Sanskrit, IX.

BAREILLY COLLEGE.

This College was started in 1884 in the form of College classes attached to the Bareilly High School to take the place of a College formerly maintained by Government at Bareilly, which, having been originally started as a school in 1836, became a College in 1850, and on the abolition of the College department in 1877 was converted into a High School.

The College is maintained from a fund raised by public subscription, among the original subscribers having been the Most Hon'ble the Marquis of Ripon, K.G., His Highness the late Nawab of Rampur, His Highness the late Maharaja of Darbhanga, Raja Jagat Singh of Jaipur, Raja Madhava Rao Vinayek, Raja Jai Kishen Dass, C.S.I. of Moradabad, Munshi Newal Kishore, C.I.E., Maharani Sarnomai of Kassimbazaar, Bengal and others. The College is aided by Government and by the principal district and municipal boards of Rohilkhand and Kumaun.

An increase in the Endowment Fund and handsome donations from Raja Kishen Kumar of Moradabad, the late Rai Sheo Baksh, Rai Bahadur, and Rani Naraini Koer, supplemented by liberal contributions from Government, have made the foundation of the College as an independent institution possible, and it has now been transferred to buildings which were erected on a site presented by His Highness the Nawab of Rampur, and were opened by His Honour Sir J. D. LaTouche, K.C.S.I., Lieutenant-Governor of the United Provinces, on July 17, 1906.

The general control of the College is vested in a Board of which the Commissioner of Rohilkhand is President, the executive management being in the hands of a committee elected from the Board of Control.

There is a residential house for students erected by Government. It has accommodation for 72 students. The library is well-equipped and is divided into general and departmental sections. The departmental sections are in charge of professors of the various departments.

The students' organizations comprise a College Debating Society called the Union, a Hindi Literary Society, a Urdu Literary Society and a Boarding House Debating Union. The College Common Room is managed by students themselves. All the organizations are under the direct supervision of members of the staff.

The College teaches up to the B.A. and B.Sc. standards of the University of Agra, and prepares for the Intermediate Examinations in Arts and Science and the Commerce, conducted by the Board of High School and Intermediate Education, United Provinces. The Intermediate and Commerce classes are carried on in the same buildings as the Degree classes and with very largely the same staff.

Besides six Government stipends, there is a scholarship fund for the benefit of the poor and deserving students of the Bareilly College. There are 13 endowed and 12 municipal and other scholarships. Medals and prizes are annually awarded to deserving candidates.

The College has undergone considerable development and an extension fund has been opened for purposes of further expansion. The family of the late Lala Brij Mohan Lal have donated over Rs. 15,000 towards the construction of a chemistry block in his memory. The building is complete and the equipment has been finished by Messrs. Mansfield and Sons, Calcutta.

The number of students at the close of the session was 155 in the In mediate, and 29 in the Intermediate Exam'nation in Commerce classes.

INSTRUCTIVE STAFF.

1.	William Owens, B.A. (Sydney and London), M B.E, Principal.	English, XII.
2.	A C Dutt, M.A. (Allahabad and Lucknow), M.R.A S. (England). Vice-Principal.	English, XI and XII.
3.	M. M. Guptara, M.A., (Allahabad), Gold Medallist and Q.E., Victoria Jubilee Medal Holder.	Ditto.
4.	D. P. Bhattacharyya, M.A. (Calcutta), Griffith Memorial Prizeman, 1919.	Mathematics, XII.
5.	Ram Krishna Va sh, M.SC (Allahabad), Research Scholar in Mathematics (Allahabad)	Mathematics, XI and XII.
6.	Rama Ranjan Thakur, M.SC., (Allahabad.)	Ditto.
7.	S. B Banerji, M A. (Calcutta) ..	History, XI and XII.
8.	R. K. Sharma, M.A., LL.B. (Allahabad).	Economics, XII and Inter. II Yr. Com.
9.	S. S. Saksena, M A. (Agra), B Com. (Allahabad).	Inter. Com., XI and XII.
10.	Shankar Lal, M A. (Allahabad), B. COM., (Lucknow).	Inter. Com., XI and XII.
11	Raghubir Narayan Bhatnagar, COM DIP. (Allahabad).	Inter. Com., XI and XII.
12.	H. D. Gupta, M.A., LL.B. (Allahabad).	Logic, XI and XII.
13.	Kabir Ahmad, M A. (Allahabad), Alim Examination and M A. (Previous) in Arabic (Allahabad), High Proficiency in Urdu.	Persian, XI and XII.
14.	M. T. Siddiqui, M.A.. (Alld.) in Urdu and English, LL.B. (Previous.)	English and Urdu, XI and XII.
15.	Shri Dhar Panth, M.A. (Allahabad), L.T. (B. H. U.), M.A. in Hindi (Agra), Kaviyatirtha, Sahitya Shastri, Sankhya-Yoga Shastri.	Sanskrit, XI and XII; Hindi, XI.

16. Bhola Nath Sharma, M.A. (Agra), T. C. Jones Memorial Medallist.	English, XI and XII and XII Com.; Hindi, XII.
17. Bishambher Prasad Saksena, M.Sc. (Lucknow), LL.B. (Lucknow)	Physics, XI.
18. R. S. Mathur, M.Sc. (Agra) ..	Physics, XII.
19. Lakshmi Narayan, M.Sc. (Allahabad), F.C.S.	Chemistry, XI and XII.
20. A. K. Bhattacharyya, (Allahabad), M.Sc., Research Scholar in Chemistry.	Chemistry, XI and XII.

SHYAM SUNDAR MEMORIAL INTERMEDIATE COLLEGE, CHANDAUSI.

Recognized, 1909.

This institution was founded in loving memory of the late Sahu Shyam Sundar by his widow Rani Ram Kali Devi, K.I.H., and mother Srimati Tulsa Devi, *raises*, bankers and landholders of Chandausi. It was started as a High School in the year 1909, and raised in 1923 to the status of a College teaching up to the standard of the Intermediate and Commercial Diploma Examinations.

The College stands on an ideal site measuring about 173 *bighas*. The buildings comprise five blocks.

There is a net annual income from endowments of Rs. 9,000 and annual grant of Rs. 5,000 for the upkeep of the College classes.

Hostels.—Attached to the College are five hostels to accommodate 250 boarders. A whole-time medical officer, a dairy, a *dhobi*, a barber and a book and stationery shop have been provided within the College premises.

Courses of study.—As prescribed by the Board. Lectures on First-Aid and Hygiene and lessons on Music are also given.

Scholarships, prizes and medals

A number of small scholarships aggregating in value Rs. 116 per mensem and medals and prizes are awarded annually to deserving students.

Games.—Ample provision exists. One shield and three cups are annually competed for by the different teams of the College.

Besides a College magazine which appears once a quarter, there are a number of associations, viz., *Commerce Association, Nagri Pracharni Sabha, Historical Society, Debating Society and Old Boys' Association. A Poor Boys' Aid Library* and a *Loan Fund* are managed by the Old Boys' Association for the benefit of the poor students.

INSTRUCTIVE STAFF.

1. Shiva Shanker Saxena, M.A., (Eng.) L.T. (Allahabad), F.R.ECON.S., *Principal.*	English, XII, XII *Com.* XI, XI Com. and X; Persian, Translation into English, XII.
2. Moti Lal Mathuria, M.A., 1st class (Mathematics), M.Sc. (Physics), (Allahabad), F.P.S., (London), Sir Elliot Colvin Medallist, and Cox Gold Medallist. Vice-Principal.	Physics, XII and XI.
3. Womesh Chandra Banerji, M.A., (History and Phil.), L.T. (Allahabad), F.R.Hist.S.	History, XII and XI; Logic, XII and XI; English, X.
4. Krishna Kumar Gupta, M.Sc., (Chemistry), 1st class (Allahabad).	Chemistry, XII and XI; Science, X.
5. Mewa Ram Saxena, M.A., 1st class, 1st (B. H. U.), B.Sc., (Allahabad).	Mathematics, XII *to* X.
6. Y. D Keskar, M.A. (Com.), 1st class, 1st prize-winner (Calcutta), Gold Medallist, B.COM., (Bombay), F.R. ECON.S.	Book-keeping, XII *Com.*; Banking, XII Com. and XI Com.; Com. Geog, XII Com.
7. Shiva Datta Tripathi Shastri, M.A. (Economics), (B.H.U.).	Economics, XII, XI and XII Com., Eng. Poem, XI; History X.
8. Bhagwan Das Gaur, M.A. (Allahabad), Shastri (Jaipur), Acharya 5/6 (Benares).	Sanskrit, XII and XI; Hindi, XII *to* X.
9. S. C. Roy, M.A (English), (B. H. U.), L.T. (Allahabad).	English, XII to X.
10. Raj Nath Mehrotra, M.A. (Eng.), (Lucknow), L.T. (Allahabad).	Eng., XII Com. XI Arts, Science and Commerce and IX, History, IX.
11. Kampta Prasad, B.A., L.T. (Allahabad).	English, X.
12. Rahas Behari Lal, B.A., L.T. (Allahabad).	Geography, X and IX; English, IX.
13. Mahadev Prasad Vaish, M.A. (Philosophy), (Agra).	English, IX.
14. Jainti Prasad Choubey, B.Sc. (Allahabad).	Mathematics, X and IX; Science, IX.

5. Jaidev Prasad Gupta, B COM. (Lucknow), M.A. (Economics), (Agra).	Industrial Organisation, XII Com; and XI Com. Commercial Geography, and Economics, XI Com. Business Methods, X and IX; Business Methods and Correspondence, XII Com.
16. Jagdish Saran Agarwala, COM. DIP. (Allahabad), F C.I., C.T.D.	Shorthand, XI Com.; Typewriting, XI Com. to IX Correspondence, X and IX.
17. Reoti Saran Sharma, COM. DIP, (Allahabad), B COM, (Agra).	Book-keeping, XI Com X and IX; Business Methods, and Correspondence, XI Com., Stenotyping, XII Com.
18. Ram Rai, B.Sc (Allahabad) ..	Physics and Chemistry Practical, XII and XI Science.
19. Chhail Behari Lal Varma, School of Arts and Crafts (Lucknow), Fine Arts School of Arts (Bombay), Medallist.	Drawing, X and IX.
20. Shabbir Husain, Molvi Fazil (Punjab.	Persian, XII to IX, Urdu, X.
21. Maya Ram Pande, Madhyam Visarat (Benares).	Sanskrit, X and IX, Hindi, IX.
22. Abu Masood Husain Qamar, Mulla and Maulvi Fazil, (Allahabad).	Urdu, IX

CHRIST CHURCH COLLEGE, CAWNPORE.

Affiliated in Arts F. A 1892; *B.A.* 1893; *M. A* 1899.

Degree classes re-started, 1926.

College classes were, at the outset, held in the High School building A separate College building was erected and opened for use in 1897

To the main building additions have since been made In 1909 a Science lecture room and Physical and Chemical laboratories were built. In 1911 the reading room was enlarged and converted into a Library The College Hall was enlarged and re-furnished in 1916.

The College Hostel provides accommodation for about 70 students, Hindu, Muhammadan and Christian It was opened in 1893 and has since been enlarged by the addition of two new blocks A European member of the staff is in residence as Warden of the Hostel.

The College is under the general control of the Lucknow Diocesan Board of Missions and a Governing Body of which the Right Rev the Lord Bishop of Lucknow is Chairman.

INSTRUCTIVE STAFF.

1. S. C. Chatterji, M.A. (Punjab), Principal.	English Composition, XII.
2. S. D. Seth, M.Sc. (Allahabad), Vice-Principal.	Mathematics, XI and XII.
3. F. T. Fisher, M.A. (Cantab) ..	English Text, XI; English Composition, XII.
4. C. B. Gordon, B.A. (Cantab) ..	Mathematics, XI and XII.
5. Rev. J. T. Thorne, M.A. (Cantab)	English History, XII; Ancient History, XII.
6. M. N. Sen, M.A. (Calcutta) ..	English Text, XII.
7. Tara Chandra, M.A. (Allahabad)	Economics, XII.
8. W. Adisheshiah, B.A. Hons. (Madras).	Logic, XI and XII.
9. P. D. Gupta, M.A. (Allahabad and Calcutta).	English History, XI.
10. L. K. Tripathi, M.A. (Allahabad)	Indian History, XI and XII; English Translation, XII.
11. V. Mitter, B.A. (Punjab) ..	English Text and Composition, XI; English Text and Translation, XII.
12. A. K. Chowdhury, M.Sc. (Allahabad).	Chemistry, XI and XII.
13. J. N. Budhwar, M.Sc. (Lucknow)	Physics, XI and XII.
14. Khwaja Abdul Wajid, B.A., English Punjab, M.A. (Aligarh) Arabic.	Persian, XI and XII.
15. Pandit Bhudeva, B.A. English and Shastri (Punjab) M.A. Hindi (Agra).	Sanskrit, XI and XII; Hindi, XI and XII.
16. S. Nawab Husain, M.A. (Allahabad).	Urdu and Economics, XI; Urdu, XII.
17. Rama Shankar Varma, M.Sc. (Allahabad.)	Mathematics, XI.

DAYANAND ANGLO-VEDIC COLLEGE, CAWNPORE.

The Dayanand Anglo-Vedic College, Cawnpore, was started in the year 1919 as a Degree College affiliated to the University of Allahabad including Intermediate (Arts) and Commercial Diploma Classes. Now the College is affiliated to the University of Agra for the Master of Arts and Bachelor of Laws, Arts, Science and Commerce Examinations and is also affiliated to the Board of High School and Intermediate Education, United Provinces for the Intermediate Examination in Arts, Science and Commerce.

The College was housed in a bungalow for the first six years The accommodation available in it was found to be inadequate and the construction of a new building was commenced in the year 1924. Now the College building consists of :—(a) Science Block of 10 big rooms (six rooms 30 ×36' and four rooms 20'×30') and six smaller rooms; and the Main College Building having 20 lecture rooms, 7 smaller rooms and the Central Hall (70'×56'). The College building is one of the finest educational buildings in the Province, situated in healthy environments and consisting of airy commodious class rooms.

The number of students on the 31st March, 1929, was 482; 207 in the Degree Classes and 275 in the Intermediate Classes.

The results achieved by the students of the College at the University and *Intermediate Board's Examination have been satisfactory* The percentage of passes has uniformly been above the average.

The number of scholarship and stipend holders during the year was 31 in the Intermediate Classes, and 39 students got concession in fee.

The College Hostel is situated in close proximity to the College and provides accommodation for about 280 boarders.

The College maintains Football, Cricket, Hockey and Volley Ball Teams Basket Ball, Tennis, Badminton and Indian Games are also played There is also a boating and swimming club Provision is made for Physical Exercise also The College won the following Cup and Shields in the Games organized by the Cawnpore Inter College Tournament Committee besides numerous medals won by individual sportsmen —

(1) Mrs. David Hockey Cup. (For the third year consecutively)
(2) Babu Brijendra Swarup Tug-of-war Shield (for the fourth year consecutively).
(3) Babu Dwarka Prasad Singh Regatta Championship Shield.

The following associations are maintained in the College —

(1) The College Union
(2) The Historical Association.
(3) The Economic Association.
(4) The Hindi Sahitya Samity and
(5) The Commerce Union.

This year, for the first time, the College published two issues of the College Magazine.

The Special Features of the College are as follows —

(1) Religious and moral instruction in accordance with the broad principles of Vedic Theology is given in addition to the secular education required for the various University and Board's Examinations.
(2) Students are brought in close personal touch with their professors who not only supervise their studies but also see that they make proper use of their opportunity to develop a good moral character.

(3) Simple living and high thinking is the guiding principle for all who work in the College as Professors or as students.

INSTRUCTIVE STAFF.

1.	Diwan Chand, M.A. (English, Punjab; Philosophy, Calcutta).	Principal.
2.	Ekanath Banerji, M.A., B.Sc. (Alld.)	Mathematics, XI and XII.
3.	Kanhaiya Lal Misra, M.A., B.Sc. (Allahabad).	Ditto.
4.	Rajendra Kumar Ghosh, M.A. (Calcutta).	English, XI and XII.
5.	Ram Chandra Rao, M.A. (Allahabad.)	Ditto.
6.	Kalka Prasad Bhatnagar, M.A., LL.B. (Allahabad).	Economics, XII.
7.	Harihar Nath Hukku, M.A. (Alld.)	English, XI and XII Arts and Com.
8.	Govind Ram Seth, M.A. (Punjab) ..	History, XI and XII.
9.	Babu Ram Misra, M.A., LL.B. (Lucknow).	Ecos., XI and XII.
10.	Ram Behari Lal, Shastri (Punj.), Ved Tirth (Cal.), M.A. (Previous, Allahabad).	Sanskrit, XI and XII.
11.	Deputy Lal Nigam, M.A. (Calcutta)	Persian, XI and XII.
12	Krishna Kumar, M.A. (Punjab) ..	Logic, XI and XII.
13.	Shanti Prasad Verma, M.A. (Luck.)	Civics, XI and XII.
14	Hazari Lal Rohatgi, M.Sc. (Allahabad).	Chemistry, XI and XII.
15	D. P Goswami, M.Sc. (Allahabad)	Ditto.
16.	Pandit Tota Ram Sharma, M.Sc (Allahabad).	Physics, XI and XII.
17.	Bishambhar Dayal, M.Sc. (Allahabad).	Ditto
18.	Munshi Ram Sharma, Sahityalankar, M.A. (Punjab), M.A. (Sans Punj., Hindi Agra)	Hindi, XI and XII.
19	Dattatraya Krishna Sakhwalkar, M.A. (Commerce, Calcutta), B.A. (Honours), LL.B., B.Com. (Bombay.)	Com., XI and XII.
20.	Thakur Balwan Singh, M.A. B.Com. (Lucknow).	Ditto.
21.	Raghunath Sahai Saksena, M.A. Previous) B.Com. Agra).	Com. Eng., XI and XII, Com.

22. Thakur Jadeva Singh, M.A. (Agra), L.T. (Alld.)	English, XI and XII, Arts and Science.
23. Satya Deo Chandrapuri, M.A (Previous), B COM (Lucknow), L T (Allahabad)	Commercial Geography, XI and XII, Com
24. Chandra Deo Prasad Srivastava, M A (Agra), B. COM (Allahabad)	Ecos XI and XII (Arts and Com).

BISHAMBHAR NATH SANATAN DHARMA INTERMEDIATE COLLEGE, CAWNPORE.

The College is under the general control of Brahmavarta Sanatan Dharma Mahamandal, Cawnpore It aims at imparting the liberal education in Arts and Science up to the Intermediate standard in such a religious atmosphere that its products may be inspired by the high ideals of the Sanatan Dharma

The institution was first started in 1917 as a small Pathshala, which, within two years, developed into a Middle School. In 1922 it was raised to the status of a High School with commerce as its special feature. Being the only institution of its kind in the vicinity it soon gained in popularity

Thanks to the munificence of late Rai Bishambhar Nath Bahadur, who in addition to the endowment of property worth one lakh of rupees, made a gift of a valuable garden on the Mall, which enabled the Managing Committee to convert the institution into an Intermediate College

The College is recognised in the following subjects —

1 English	7 Physics.
2 Mathematics	8. Chemistry
3 Sanskrit	9 Biology
4 History	10 Geography
5 Logic	11. Economics
6. Hindi	12 Urdu

There are two departments of the College, distributed over in two separate buildings The upper department consisting of classes VII to XII is in the new building on the Mall, and the lower department consisting of classes III to VI is accommodated in the old building on the Meston road

INSTRUCTIVE STAFF

1 Hiralal Khanna, M SC , Principal..	Mathematics, X to XII
2 Bakshi Mangal Sen, M A (Prev), B T.	English, IX and X
3 Balkrishna Das Tandon, M A , LL.B	English, XI and XII

4.	Rameshwar Prasad, M.A. ..	English, XI and XII.
5.	Chhotey Lal Mehrotra, M.A., B.COM.	Geography, XI and XII. Economics, XI and XII and English IX.
6.	P. K. Rai, M.A.	English, XI and XII.
7.	Sardar Narain Singh, B.A., L.T., F.R.G.S.	Geography, IX to XII. English, IX
8.	Rajendra Kumar, M.A., C.T. ..	History, XI and XII. Civics, XI and XII.
9.	Satgur Sharan Awasthi, M.A. ..	Hindi, XI and XII ; Sans., XII.
10.	Jagannath Singh Mehra, M.A., Ed. (Leeds).	Logic, XI and XII.
11.	M. S. Dave, M.A. ..	Chemistry, IX, XI and XII.
12.	Chandra Mohan Sharma, B.Sc. ..	Demonstrator in Chemistry.
13.	H. L. Tandon, M.Sc.	Physics, IX, XI and XII.
14.	Radhey Shiam Goil, M.Sc. .	Biology, XI and XII.
15.	Deo Dutta Arora, B.Sc. ..	Science, IX and X.
16	N. N. Bannerji, B.A., L.T. ..	English, IX and X.
17.	Ram Swarup Gupta, M.A. ..	Mathematics, X to XII.
18.	Hari Krishan, B.A., C. T. Kavil ..	Urdu X to XII.
19.	Lakshman Swarup, M.A. ..	Commerce, IX and X.
20.	Ram Shanker, M.A., LL.B. ..	Mathematics, IX and XII.
21.	Sheo Narain Lal, B.A., L.T. ..	Mathematics, IX ; Sans., XI.
22	Gokaran Nath Misra, M.A. (Prev.)	History, IX and X, Mathematics, X.
23.	Anand Prakash Verma, C.D.C.T...	Commerce, IX and X.
24	Ram Chandra Tandon, Bombay Inter (Drawing).	Drawing, IX and X.
25.	Shiv Govind Misra, Visharad Advanced Hindi.	Hindi, IX and X.
26.	Kanhaiya Lal, Vyakaran Tirath ..	Sanskrit, IX, X and XI.
27.	Ahmad Husain Khan, Munshi Alim	Persian and Urdu, IX and X.
28.	Madho Prasad, Roorkee passed Specialised in Manual Training.	Manual Training, IX and X.

EWING CHRISTIAN INTERMEDIATE COLLEGE, ALLAHABAD.

In October, 1846, the British East India Company made over its College work at Allahabad to the American Presbyterian Mission. When the Civil Station was removed from the Jumna in 1833 the Mission purchased the Court building for educational work and started a Collegiate School. After a few years college classes were given up and school classes alone continued, the institution being known as the Jumna Mission School or the A. P. Mission High School.

In 1900 the American Presbyterian Mission decided to reopen the College at Allahabad, and the First Class was formed in 1902. In order to keep school and College separate, the old court building was torn down and a better home for the school erected at the western end of the Jumna compound, leaving the eastern end free for the College.

This has now the following buildings :—A main College building with a Laboratory for Biology, a Library (of more than ten thousand volumes) administrative offices, eleven lecture rooms, and an Assembly Hall to seat one thousand, a Laboratory for Physics and one for Chemistry; an Infirmary, ten residences for members of the Staff, and five Hostels, with a total accommodation for two hundred Four of the Hostels are arranged with suites of rooms for one or more unmarried professors.

In 1923, as a result of the reconstruction of the University of Allahabad, the College gave up its B. A. and M A classes to the University, and was resolved into two Institutions—an Intermediate College, which took over classes IX and X from the High School, and an Internal College which provided Hostels for University students and gave them tutorial instruction.

The Intermediate College now (August, 1925) has 580 students on its roll

INSTRUCTIVE STAFF

Rev Charles Herbert Rice, M A., Ph D LL D , Principal
Winfield Dudgeon, Ph D , Vice-Principal

English.

H T. Bose, M A (Calcutta) also Logic
N K Biswas, M A. (Calcutta).
C H. Hazlett, B A (Washington and Jefferson) (*on furlough*).
Uma Shankar Varma, M.A (Benares).
B N Banerji, B A , L T (Allahabad)
S. L Sheets, M A. (Harv), S T.B. (Boston).
C. H Rice, M.A., Ph.D (Princeton).
B N Banerji, M A.

Economics.

Saraswati Prasad, M A (Allahabad) (*on leave*).
B. C. Bhatty, M A (Allahabad).
C M. Chatterjee, M.A (Lucknow).

History.

F. R. Collins, M A. (Wooster) (*on furlough*, 1930-32).
N. N. Ghosh, M A , L T. (Allahabad).
R. C Roy. B A., L T (Allahabad) (*on study leave*, 1930—32).
K. W. S Jardine, M A (Oxon)
S. S. Gideon, M A. (Lucknow).

Geography.

E. V. Noble, B.A. Hons. (London), L.T. (Allahabad).
Ram Narain Misra, B.A. (Allahabad).

Urdu and Persian.

Md Anwarul Hakk, M.A., LL.B (Allahabad), M.R.A.S.
S. Hammad Ali, M.A. (Allahabad).

Hindi and Sanskrit.

Ram Lakhan Shukla, B.A. (Allahabad).
Sidh Nath Chaube, M.A. (Allahabad).

Mathematics.

N B Mitra, M.A. (Calcutta).
S. Bose, M.Sc. (Allahabad).

Chemistry.

B. B. Malvea, M.A., M.Sc. Ph.D (Allahabad).
S C. Agarwal, M.Sc (Allahabad).
S. S. Lal, B.Sc. (Allahabad).
S. K. Bose, B.Sc., B.T. (Punjab).
Amba Datt Pant.

Physics.

Ram Kishore Sharma, M.Sc (Benares).
P. K. Sur, M.Sc. (Allahabad).
A C. Roy, B.Sc. (Allahabad).
Bala Prasad Srivastava, B.Sc. (Allahabad).
B L. Bhate, B.Sc. (Allahabad).

Biology

Winfield Dudgeon, Ph.D. (Chicago).
D. N Coondoo.
W. K. Wesley, M.Sc., L.T. (Allahabad).

General Science.

K D Banerji, B.Sc. (Calcutta).

KAYASTHA PATHSHALA INTERMEDIATE COLLEGE, ALLAHABAD.

The Kayastha Pathshala owes its origin to the magnificent generosity and far-sighted patriotism of Munshi Kali Prasad Kulbhaskar, who gave away his entire property for the intellectual, moral and physical uplift of the Hindu community. In 1873 it was started as a Primary School; it was raised in 1878 to the status of an Anglo-Vernacular School, and in 1882 to that of a High School. In 1895-96 it was affiliated to the Allahabad University up to the Intermediate standard and in 1914 to the B.A.

Since April, 1922, the Kayastha Pathshala has been divided into three departments :—

(i) The Internal College of the University which provides residence and tutorial and supplementary instruction for students reading in the University ,

(ii) The Intermediate College, which consists of classes IX and X of the High School; the First and Second-year classes of the College (called now classes XI and XII), and the First and Second-year commerce classes preparing candidates for the Commercial Diploma Examination of the Intermediate Board; and

(iii) The Middle School which consists of classes III to VIII.

In January 1931, there was a redistribution of classes in the Intermediate College and the Middle School Classes VII and VIII of the Middle School were transferred to the Intermediate College when the latter was moved to its new buildings in Canning Road opposite George Town. These comprise of a magnificent double storied block, designed according to the modern requirements of an Intermediate College with a beautiful central hall and spacious and well-ventilated class rooms There is a separate double storied block for the laboratories The main block measured 305 feet in length The buildings are very substantially built with reinforced concrete roofing at a cost of Rs 4,20,000 and are situated on extensive grounds covering ninety-three acres

INSTRUCTIVE STAFF

1.	Goka' Chand, B A (Hons.); M.A , LL B , T D (London) Principal.	English, Text XI and XII , Arts and Science.
2.	J. Sen, M Sc , Vice-Principal	Mathematics, XI and XII ; General English, XI. Science.
3.	Brijraj, M A , B Sc , LL B	English, Text, XI, and XII, (Arts and Science), Gen. Eng , XII Ar s and Com
4.	G S Bhargava, M Sc	Physics, XI and XII
5.	B. C Bose, M A	Logic, XI and XII , Gen. Eng , XI Arts and Com
6.	B. L Varma, M A	History, IX to XII.
7.	Madhav Prasad, M A , L T	Civics, XI and XII Geography, IX and X
8.	Dharam Narain, M Sc	Biology, XI and XII
9.	Jalpa Prasad, M Sc	Chemistry, XI and XII.
10.	B L. Gaur, M A , B Com	Economics, XI and XII, (Arts and Scie ce , Com. Geog., XI and XII Commerce.

11.	Ganesh Lal, B.A., M.F.	Persian, IX to XII.
12.	S. Dakshinamurti, M.A.	Sanskrit, IX to XII.
13.	Shiva Shankar Sharma, B. COM.	Book-Keeping and Accountancy, Steno-typing, XI and XII Commerce.
14	P. D. Saxena, M.A., B. COM. (*on leave*)	Elementary Banking, Bus. Meth., and Com. Corres, XI and XII Commerce.
15.	Avadhpat Rai, M.A.	Officiating for above.
16.	Gaya Prasad, M.A., B.SC.	Eng. Text, XII Com., Text and Gen. Eng., XA; Science, IX and X.
17	N. C. Mukerji, M A., L.T.	Gen. Eng., XII Arts, Eng. Text, XI Com.; Text XI Gen., Eng., XB; Eng. Text, IXA.
18	Ganesh Prasad, B A.	Mathematics, IX and X.
19.	Har Prasad, B A., L T.	Text and Grammar, IXB.
20.	Sant Saran, M A. (Prev.), L.T., (*on leave.*)	General English, IXB.
21.	V. A Kashalkar, Sangit Parveen	Music.
22.	Babu Ram, M.F	Urdu, IX and X.
23.	Anandi Prasad	Hindi, IX and X.
24.	Dwarka Prasad	Drawing, IX and X.

ANGLO BENGALI INTERMEDIATE COLLEGE, ALLAHABAD.

This institution took its birth as a humble 'pathshala' in November, 1877, when the Bengali residents of Allahabad, feeling the want of a suitable school for imparting English education to the Bengali boys through the medium of their mother-tongue, made a small beginning with a handful of boys and one teacher in a private house in the city. With the help of private subscriptions this infant school steadily worked its way through many weary years of struggle. In the year 1886 it became a self-supporting institution with 178 boys on its roll and it taught up to the Entrance Standard of the Calcutta University down to 1888, and in 1889 it was affiliated to the Allahabad University, sending up boys for the Entrance examination every year and achieving excellent results in most years.

In 1894 Sir Promoda Charan Banerji laid the foundation-stone of the present building, and on 28th November, 1899, the late Sir Arthur Strachey, Chief Justice, opened the school in the new building as it then stood. At the end of December, 1925, when it had completed 48 years of its existence, it had 523 boys on its roll. With the sanction of the Board of High School and Intermediate Education the school was raised to the status of an

Intermediate College, which was formally opened on July 9, 1926. Recognition, in the first instance, was limited to English, Mathematics, Sanskrit, Modern History and Logic, and in 1928, it was extended to two more subjects, Bengali and Economics.

There is a Literary Union in the college; its aim is to train its members in the art of public speaking and improve their power of debate and elocution in English and Vernacular. Every student is required to attend the meetings of the Union.

An Historical Society has been recently started for the benefit of students taking up history as one of their subjects Persons of note are invited, whenever convenient, to give the boys the benefit of their experience, knowledge, observation, and thinking.

The college endeavours to administer unto each student the proper dose of physical exercise. It believes that sound education must rest on a sound physical basis

The Scouts' department is under the direction of experts, who are thoroughly convinced of the great power for doing good that the Scouting movement carries.

The college makes special efforts in developing a genuine feeling of brotherhood between students and students, and of cordiality between teachers and students Once, at least, every year the teachers, students and their guardians meet at college by way of re-union on the occasion of Basant Panchami.

In the interest of teachers there is a Teachers' Benefit Fund, towards which a minimum subscription of Re. 1 per mensem is contributed by each member of that organisation

Besides free and half free studentships there are various scholarships and, for the benefit of needy and deserving scholars, a Students' Benefit Fund has been created for the last two years by the joint efforts of the staff and the students.

To remove the crying need of out station students a hostel has been started this year in a decent house taken on rent

The college is located in a double storied commodious building in a healthy part of the town on the City Road, and has ample play grounds

The management of the college is controlled by the Allahabad Bengali Educational Society, which is a registered body

The institution is placed in the hands of a managing committee formed out of the above society consisting of a President, two Vice-Presidents, one Secretary, two Assistant Secretaries, and 25 elected members. The present office-bearers are as follows —

President —Hon'ble Mr. Justice Lal Gopal Mukerjee.

Vice-Presidents —Hon'ble Mr Justice Lalit Mohan Banerji,

and

Mr. Hari Mohan Roy, B.A., B.L.

Secretary.—Rai Bahadur Hem Chandra Ganguli.

Asstt. Secretaries.—Mr. Nolin Behari Mitra, M.A., and Mr. Jyotish Chandra Chatterji, M.Sc.

INSTRUCTIVE STAFF.

1. B. N. Kar, M.A., B.Sc., LL.B., Principal.	Mathematics, XII.
2. P. C. Ghosh, B.A., Vice-Principal ..	English, XI, IX.
3. K. C. Mukherji, M.A., L.T. ..	Mathematics, XI; Logic, XII and XI.
4. D. N. Dutt, M.A., B.T. ..	English, XII to X.
5. D. J. Sen, M.A., B.L.	European History, XII and XI; English, X and IX.
6. S. C. Bose, M.A.	Economics, XII and XI.
7. K. C. Sinha, M.A., L.T. (late Research Scholar).	(Indian) History, XII to IX; General Bengali, XII and XI.
8. K. C. Misra, B.A., (Sahitya Shastri)	Sanskrit, XII to X; Hindi, X and IX.
9. J. B. Chakraberty, M.A. ..	English, XI and IX.
10. D. N. Das, Inter. (Experienced Bengali Teacher).	Bengali, X and IX.
11. G. K. Bhattarcharya, B.Sc. ..	Science, X and IX; Mathematics, IX.
12. Jogendra Nath Bhattacharya, B.A., L.T.	Mathematics, X and IX.
13. A. T. Bhattacharya, B.A., C.T. ..	Mathematics, X.
14. J. N. Bhattarcharji, B.A. ..	Geography, X and IX.
15. M. N. Bagchi, B.A., L.T. ..	English, X.
16. G. P. Shastri, Madhyama ..	Sanskrit, IX.
17. S. Chatterji, Normal Trained ..	Drawing, X and IX.
18. Muhammad Amiruddin, Mulla Alim.	Persian, X and IX, Urdu, X and IX.
19. Muhammad Umar Munshi Kamil ..	Persian, X and IX, Urdu, X and IX.
20. Parafulla Chandra Banerji, M.A., B.T. (to join in September, 1931.)	Bengali, XII to IX.
21. Gogan Chandra Mukerji, M.A. (temporary).	Bengali, XII to IX.

UDAI PRATAP COLLEGE AND HEWETT KSHATTRIYA SCHOOL, BENARES.

The Udai Pratap College and Hewett Kshattriya School was originally a High School founded by Raja Udai Pratap Singh, C S I, of Bhinga, with an endowment of 10½ lakhs of rupees for the purpose of spreading English education among the Kshattriya community and fostering the traditional characteristics of the Kshattriya race. The endowment was generously increased in July, 1921, by the Maharani Sahiba, widow of the late founder, to 12½ lakhs to provide for increase of salaries to the staff and has recently been further increased by her to 18½ lakhs to raise the school to the status of an Intermediate College

The management of the institution is under the control of the Local Government assisted by a committee of management composed of Government officials and Kshattriya Rajas and gentlemen.

His Excellency the Governor of the United Provinces and some Kshattriya Ruling Chiefs are visitors of the school.

The school was opened on the 1st of January, 1909, in the old school building by Sir H. V. Lovett, K C S I, I C S, the then Commissioner of Benares. The foundation-stone of the new building was laid on the 25th November, 1909, by His Honour Sir J. P Hewett, G C S I, K C I E, the then Lieutenant-Governor, United Provinces.

A new Science Laboratory has been constructed and equipped at a cost of about Rs. 75,000

The grounds cover more than 50 acres The total value of land and building exceeds 8 lakhs of rupees

The staff consists of a European Principal and a Vice-Principal and over 30 Assistants, most of whom are Kshattriyas and resident.

Foundation scholarships, aggregating Rs. 3,030, are awarded annually on the combined results of the half-yearly and yearly examinations One Edward Kshattriya scholarship each year to the value of Rs 96, also Bhinga Raj scholarships aggregating Rs 684, are now tenable only in this institution.

All masters and pupils before their appointment are required to make a declaration of loyalty to the British Government, and a promise to keep aloof from sedition, race hatred, rowdyism, and ribaldry The aim and object of this institution as set forth by its founder is not only to stimulate English education amongst his community, but also to turn out God-fearing Kshattriyas, loyal to the King-Emperor, dutiful to their parents, and respectful towards their superiors

INSTRUCTIVE STAFF.

1. B. A English, Principal, B A (Cantab). — English, XII.
2. N. K Ghosh, Vice-Principal, B A, F.R S.A. — English, X and IX

3. Ganga Saran Bhargava, B.SC., L.T. Science, IX and X.
4. Lautoo Singh Gautam, M.A., L.T., K.T., M.R.A.S. History, XII to IX.
5. Tara Prasad Singh, M.A., LL.B .. English and Logic, XII and XI.
6. Ram Karan Singh, M.A., LL.B. .. Economics, XII and XI; English, IX.
7. Rajwant Singh, M.SC., LL.B. .. Mathematics, XII to X.
8. Durga Singh, M.SC., LL.B. .. Chemistry, XII and XI.
9. Chandra Narain Hangal, M.SC. .. Physics, XII and XI.
10. Lalita Prasad Sinha, B.A., L.T. .. English, X and IX.
11. Ram Pratap Singh, C.T. .. Geography, X and IX.
12. Ram Palat Singh, M.A. .. Hindi, XII to IX.
13. Biragi Rai, M.A., L.T. .. Mathematics, IX.
14. Jag Mohan Jha, Kavyatirth, Special Vernacular Entrance, Allahabad. Sanskrit, XII to X.
15. Md. Azhar Ali, Faruqi, H. S. Examination Fazil Dabrikand. Persian, XII and XI; Urdu, X and IX.
16. Bechan Singh, S.L.C., Intermediate Grade Drawing, Bombay. Drawing, X and IX.
17. Nand Lal Singh, C.T. .. .. Hindi, X and IX.
18. Ram Lagan Singh, S.L.C. Visharad Hindi, IX.
19. Mahipal Singh, B.A., L.T. .. English, IX.
20. Anant Ram Shastri, Sahityopadhyay. Sanskrit, IX.
21. Saiyed Ashghar Husain, Munshi Fazil and Mulla. Persian, X and IX.
22. Dwarka Raj Singh, B.SC. .. Mathematics, IX.

ST. ANDREW'S COLLEGE, GORAKHPUR.

The Intermediate classes were opened in 1901 when recognition was granted in the usual subjects including Science. There were 29 students in the two classes in that year and they formed additional classes to the Mission High School. In the year 1905 the numbers had risen to 35 and recognition was granted in Physiology. During these early years the Rev. R. J. Kennedy was Principal.

About the year 1915 it was decided to open B.A. classes for which a new building was a necessity. It was made possible by a generous gift from a friend of the College and was opened during the principalship of Dr. Garfield Williams in 1916 by Sir James Meston, the then Lieutenant-Governor of the United Provinces. The Intermediate classes were moved to the

r building, but the teaching of Science subjects was dropped. Since s date the numbers have steadily risen until to-day the numbers in these sses total 170.

Another step forward in the history of the College was made possible 1925 by the liberal help from the local gentry. A new Science department was built and recognition was granted by the Intermediate Board Chemistry, Physics and Biology. This department like the Arts department is well built, well equipped and well staffed

The College is under the control of the Church Missionary Society. It deavours to meet the needs of higher education in the Gorakhpur division. In examination results its record is remarkably good It is well uated in a convenient site with play-ground close at hand, but its hostel commodation is at present inadequate It is hoped to make good this akness as soon as possible.

INSTRUCTIVE STAFF.

.	Rev. A. C. Pelly, M A. (Cantab), Principal (on furlough).	
2.	N. N. Mundle, M A. (Cal,)., Acting Principal.	History, I and II.
3	C. C. Chatterjee, M.A , B Sc. ..	English, II.
4.	H. C. Mukerjee, M A.	English, I and II
5.	Johir Uddin Khan, B A., L T., M.A. (Previous).	English, I and II
6.	R. N. Sanyal, M.A.	Economics, I and II.
7.	H. B. Mundle, M A.	Logic, II.
8.	Jagannath Sinha, M.A. ..	Logic, I and Mathematics, I.
9.	Kunwar Bahadur, M.A., LL.B. ..	History, I and II.
10.	K. C. Chatterjee, M.Sc... ..	Mathematics, I and II.
11.	L. M. Kar, M A.	Sanskrit, I and II.
12.	Muhammad Asghar	Persian, I and II.
13.	J. W. Paul, M.Sc.	Chemistry, I and II.
14.	B. N. Ghosh, M Sc.	Physics, I and II.
15.	M. O. Varkey, M Sc.	Biology, I and II.
16.	Jokhu Lal Agarwal, B Sc. ..	Demonstrator, I and II.
17.	P. K. Srivastava, M.Sc. ..	Demonstrator, I and II.

LUCKNOW CHRISTIAN COLLEGE, LUCKNOW.

This institution was founded in the year 1866 in Inayat Bagh, and in the ear 1877 the school was removed to Golaganj and a beautiful and strong rick building known as the Centennial High School was built.

The College was founded in 1888 by the late Rev. Dr. B. H. Badley, hose name the Science block bears. It gradually grew to be a first grade ollege affiliated to the B. A. and B. Sc. standards of the Allahabad University.

The School of Commerce founded in 1892 has had Government patronage and has given instruction in commercial subjects, especially in Shorthand and Type-writing, to scores of Government officials deputed by Government, as well as to hundreds of other young men now in business life. The College has the distinction of being the inventor of Urdu Shorthand.

With the establishment of the Lucknow University this College was made an Intermediate College in the year 1921. It has two other departments connected with it, the School of Commerce and the Centennial Middle School both in separate buildings.

There is an enrolment of 751 in all the departments of this institution during the current year. The Intermediate College has an enrolment of 498 this year, the largest enrolment being in the Science and Commercial Diploma classes.

There are two hostels connected with the College, one for Christian students called the Osman Caldwell Hostel with accommodation for 130 students, and the other the C. L. Bare Hostel (named after an ex-Principal of this College) with accommodation for 120 students.

The buildings are most commodious and their hygienic condition is all that could be wished. The Science Laboratories for Physics, Chemistry and Biology have been equipped at a cost of about Rs. 2,00,000.

There are six Americans and 24 Indians on the teaching staff. There are 11 M.A.'s, four M.Sc.'s, seven B.A.'s, three B.Sc.'s, one B.Com., one commercial diploma-holder in addition to a highly-qualified Pandit, a Shastri and a well-qualified assistant Maulvi. Of these three are trained teachers.

There is a whole-time Physical Director, who is an American gentleman. The students play cricket, foot-ball, hockey, basket-ball, volley-ball and base-ball and tennis. Every student has to undergo an annual compulsory physical test.

There is satisfactory arrangement for the medical supervision of students. Two qualified doctors have been appointed by the institution for this purpose.

There are two Literary Unions or Debating Clubs in the College which meet every Saturday. There is also a Literary Union conducted by the inmates of the C. L. Bare Hostel under the supervision of the head of the department of English. Annual Oratorical Contests are held and prizes are awarded to the best speakers among the students. Mushairas are also held annually. This year the College has started classes in Elocution and in Music.

There is a good library connected with the College which has nearly 4,200 volumes on almost all profitable subjects, and it is well organized. It is supplied with the leading English, American, and Indian newspapers and magazines.

The College not only tries to give intellectual training to its students, but it also endeavours to turn out loyal and law-abiding and useful citizens. Their moral and religious welfare is carefully looked after. The Christian students have their Students' Christian Association, Church Services and Young People's Society which they regularly attend. There are organizations like the Friends Federation within the institution which encourage all students to take an active part in social and community service. The development of true character is recognized by the College as its supreme task.

The College has an "Old Boys' Association" and its members are beginning to take an active interest in the welfare of their Alma Mater.

The College is under the control of the Methodist Episcopal Church.

INSTRUCTIVE STAFF.

1. R. D. Wellons, M.A., Ph.D., (Indiana and Columbia), U.S.A.	Principal.
2. N. Joardar, M.A. (C.U.), B.Ed. (Patna), F.C.P. (London), Vice Principal.	English, XII.
3. N. N. Bose, M.Sc. (A.U.) ..	Mathematics, IX, XI and XII.
4. G. N. Bhakay, M.Sc. (A.U.), LL.B. (L.U.)	Biology, XI and XII.
5. N. C. Sircar, M.A. (C.U.) ..	Logic, XI and XII, English, XI.
6. Dr. J. Edwards, M.A. (C.U.), L.T. (A.U.), Ph.D. (U.S.A.)	Civics, XI and XII, Geography, X and XII.
7. D. Loomba, M.A. (P.U.), LL.B. (L.U.), F.R.E.S.	Economics, XI and XII.
8. M. P. Nigam, M.Sc. (L.U.), F.E.M.S. (London).	Biology, XI and XII.
9. The Rev. M. C. Biswas, M.A., L.T. (A.U.).	English, IX, XI and XII.
10. T. N. Das, B.Sc. (A.U.), F.C.S. (London).	Chemistry, XI and XII.
11. Dr. Jafar Hussain, M.A., LL.B. (A.U.), D.Lit. (London).	Persian and Urdu, XI and XII.
12. M. L. Agarwala, B.Com. (L.U.), F.R.E.S.	Accountancy and Business Methods, XI and XII.
13. S. K. Mukerji, B.Sc. (A.U.) ..	Science and Mathematics, IX and X.
14. R. W. Mathur, B.A. (P.U.), L.T. (A.U.) and Vernacular Department Examination in Hindi, (A.U.).	English, X and XI.

15. H. H. Lyons, B.A. (C.U.) ..	Ancient and Modern History, XI and XII; History, IX.
16. Y. Shipstone, C. D. and Commercial Normal Trained.	Commerce, IX and X and Typewriting, XI and XII.
17. H. H. Zaidi, B.Sc. (L.U.) ..	Physics, XI and XII.
18. C. M. Solomon, B.Sc. (L.U.), L.T., (A.U)	Chemistry, XI and XII.
19. N. K. Mundle, B.Sc. (C.U.) ..	Physics, XI.
20. Adittya Sharma, B Com. (L U.) ..	Banking, XI and XI; Geography, IX and XI.
21. Rameshwar Prasad Shastri, Sahityopadhyaya, Shastri, *Kavyatirth and Matric.*	Hindi, IX and X and Sanskrit, IX to XI.
22. O. Joshua, F.I P S (London), F C I (Birm.), Senior Cambridge, Government Technical Examination, (Madras).	Shorthand, XI and XII.
23. Syed Akbar Husain, Maulvi Dabir-i-Kamil and Matric.	Urdu and Persian, IX and X; and Arabic, XII.
24. J. S. K. Patel, M.A. (L. U.) ..	Mod. History, X and XII; Economics, XII.
25. A. G Jordan, B.Sc. (A.U.) ..	Chemistry, XI.
26. C. M. Thacore, M.A. (Bombay)	English, XII.
27. C. M. Revis, M.A. (L.U) ..	English, XI.
28. Bhagwati Prasad Srivastava, B SC, LL.B. (L.U.)	Zoology, XI and XII.
29. N. H. Naqvi, B.Sc. (L.U.) ..	Physics, XI and XII.
30. W. C. Thoburn. M.Sc. (U. S. A.)	Physics.
31. W. A. Watson, M.A. (L.U), L.T. (A. U)	English, XI and XII.

SHIA INTERMEDIATE COLLEGE, LUCKNOW.

In 1914-15 Nawab Sir Fateh Ali Khan Qazilbash started a movement for opening a college for Shia boys and invited the co-operation of his co-religionists in India. A fund called the Shia College Fund amounting to rupees nine lakhs was raised under the leadership of the Nawab in course of a few years. The Government also offered to contribute half the cost of secular instruction in the College when started.

In July, 1920, the Shia Intermediate College was opened with two Intermediate classes and two years later the 9th and 10th classes of the Shia School, which were opened in 1919, were transferred to the Intermediate College. The College has thus four classes and prepares boys for the

Intermediate and High School Examinations of the Board. There is also a Theological department which imparts instruction in Shia Theology. Attendance at Theology lectures is compulsory for Shia boys, but optional for others

Without detriment to the main object of the College youths of other denominations are freely admitted to the College.

The supreme control, direction and management of the Shia Intermediate College and the Shia School are vested in a Board of Trustees. The executive administration and government of the Shia Intermediate College and its hostel, subject to the general control and supervision of the Board of Trustees, vest in a Managing Committee of twelve members.

INSTRUCTIVE STAFF.

1. S. C. Sen, M.A. (Phil.), B.A., Honours in Phil.; Scholar of Jena and Gottingen (Germany), Principal.	Logic, XI and XII. English Text, XII.
2. C. C. Sarkar, M.A. (Mathematics), Vice-Principal	Mathematics, IX to XII.
3. Mirza Ashiq Husain, M.A. (English), L.T.	English, IX, XI and XII.
4. Syed Naqi Hosain Alley, M.A. (Economics, LL.B.	Economics, XI and XII; English, IX.
5. Syed Sarfaraz Hosain, M.A. (History).	English, IX; History and Civics, XI and XII; History, X.
6. Syed Bundey Hasan, B.A., L.T., LL.B.	English, IX and X; History IX.
7. Syed Akbar Ali, M.A., L.T. ..	Math., X and IX; Geography, IX and X.
8. Syed Sadiq Husain, Munshi Fazil, Mulla Fazil and Maulvi Fazil.	Arabic, IX—XII; Persian, XI; Urdu, IX.
9. Mohammad Ahmad, M.A. (Persian)	Persian, IX—XII; Urdu, X and XI.
10. Wajid Mirza, Final Examination of Arts, Lucknow, and Sir J. J. School of Arts, Bombay.	Drawing, X and IX.

KANYAKUBJ INTERMEDIATE COLLEGE, LUCKNOW.

It was in the year 1918 that the Kanyakubj community, at its conference under the Presidentship of Pandit Gokaran Nath Misra, M.A., resolved to open a Kanyakubj English School. The resolution was given

effect to on July 3, 1918, when Raja Sahib Lieutenant Pandit Kali Charan Misra of Bareilly laid the foundation of the Kanyakubj school.

In July, 1920, permission was obtained for opening classes IX and X. The High School began its work in July, 1921. On the opening of class X in 1922 it was found desirable to raise it to the Intermediate standard, for which a request was made to the Director of Public Instruction.

On April 5, 1923, the Director of Public Instruction sanctioned the raising of the High School to the Intermediate standard. Accordingly in July, 1923, XI class was opened, and in July, 1924, XII class was added.

The building is erected in a purely Hindu style and consists of a central big hall, with a gallery running all round. The rooms are spacious and airy. There is provision for expansion on the first floor which at present consists of four big rooms.

The situation of the college is ideal. Its site is one of the healthiest in Lucknow. There are extensive grounds on all sides. The Hostel has an accommodation for 60 students and is double-storied.

There are several societies and associations conducted by the students under the guidance of the teachers. "The Vidyarathi Sahayak Stores" supplies books, stationery, school material and other academical requisites to the college and students. Many students are given monetary assistance out of the funds collected by the students under the auspices of above sabha.

The college Athletic Association looks after the health of the students there are three different societies under it to provide for (1) games and matches, (2) sports, drill and gymnastics and (3) scouting, first aid and hygiene. Games and Physical exercise are compulsory for all students. A trained Director of Physical Culture supervises these activities.

A specialist of Indian music imparts knowledge and practice of music to students up to VIII class and organises the chorus for daily prayer with which the regular college work begins every day.

Moral and religious discourses are given by teachers to the students immediately after the prayer, on two days of the week.

A reading room under the supervision of a senior teacher caters for the students.

Two munificent endowments of a lac and sixty thousand rupees have promised this year by Rai Saheb Pandit Jai Narain Misra and Rai Bahadur Pandit Sukhdeo Behari Misra and the school building for classes III to VIII is soon to be erected. The college department only will then continue in the present building and the lower classes will be housed in the new building.

INSTRUCTIVE STAFF.

1.	Balkrishna Pandeya, M.A., Research Scholar in English (Allahabad), Gold medalist in B.A., Victoria Jubilee Bursary Holder in Sanskrit and Visharad (medalist) in Hindi. Principal.	English (Text and General), XII and English Poetry, XA and XB.
2	Karuna Shanker Misra, B.A. (Hons.) (Oxon.), LL.B. (Lucknow) Vice-Principal	English History, XI and XII. General English, XI and IXB.
3.	Nirmal Chandra Chatterjee, M.A., English (Benares).	English Text, IXB and XB; English General and Text, IX and XII.
4.	Vidya Dhar Dikshit, M.A., English, LL.B. (Lucknow).	English (Text and General), IXA and XA.
5.	Hari Swarup Jauhari, M.A. (previous) (Allahabad), L.T. (Benares)	English, XB.
6.	Iqbal Bahadur Saksena, M.A., Economics (Allahabad)	Economics, XI and XII, English Text, XA
7	Krishna Lall Shastri, B.A. (Hons.), M.A. (Math.) Shastri (Punjab)	Mathematics, IXB, XB, XI and XII.
8.	Ujji Lall Awasthi, B.A., (Allahabad), L.T. (Benares)	Mathematics, XA.
9.	Bishan Narain Misra, M.Sc. (Lucknow), L.T. (Allahabad), LL.B. (Lucknow).	Science, IX; Mathematics, IXA and IXB.
10.	Satish Chandra Banerji, B.Sc., L.T. (Allahabad)	Science, X.
11.	Shiva Prasad Shukla, M.A., Sanskrit (Lucknow).	Sanskrit, IX to XII.
12.	Girwar Shanker Dixit, M.A., History (Allahabad), LL.B. (Alld.).	History, IX to XII.
13.	Changa Lall Malviya, M.A., Hindi (Allahabad).	Logic, XI and XII; Hindi, XI and XII.
14.	Ganga Narain Dwivedi, V.T.C. ..	IXA and XB.
15.	Vishnu Datt Pathak, B.A. (with Hindi) (Lucknow).	Hindi, IXB and XA.
16.	Khadim Husain, Moulvi (Punjab), Mulla Fazil (Allahabad).	Persian, X to XII; Urdu, X.
17.	Jaffer Husain, Dabir Kamil (Lucknow).	Persian, IX and Urdu, IX.

18. Ram Behari Panday, B.A., L.T. (Allahabad). Geography, IX and X.

19. Satya Prasanna Mukerjce, Government School of Arts, Calcutta. Drawing, IX and X.

ST. GEORGE'S COLLEGE, MUSSOORIE.

Founded in 1853 on a site acquired by the Italian Capuchin Mission, surrounded by an extensive and well-wooded estate, the College was staffed by the Mission Fathers up to 1893, the last clerical Principal being the learned and esteemed Father Duggan, who handed over to the Irish Brothers of St. Patrick in January of that year.

The coming of the Brothers marks the beginning of a new era in the history of the College. Primarily intended as it was for the higher education of the sons of better class Europeans in India the College, under the Principalship of Rev. Brother Stapleton, took on the tone of the Home public schools and intended its curriculum to meet the highest demands of those who sought in India the benefits of a Home education without the excessive expenditure and separation from their families that going Home would entail.

At this time the College taught for the Provincial High, Middle and Primary Examinations, the Entrance Examinations of the various public departments, and of the Roorkee Engineering College. St. George's was also affiliated to the University of Allahabad.

Under the Principalship of Rev. Bro. Haverty new buildings, including an entirely new wing, were erected, the north wing was raised and re-roofed and many structural changes were made to render the edifice more suitable for its purpose. Under Rev. Bro. Smyth the present extensive playing flat— literally hewn out of the rock—was completed, and to his successor, Rev. Bro. Dineen, the College owes the hospital, an airy and comfortable building situated at a sufficient distance from the main block and staffed by a fully qualified medical attendant and a trained sister; as well as the commodious teachers' quarters for the lay staff. To the Rev. Bro Commins, who succeeded Bro. Dineen, is largely due the present excellent tone in the matter of field sports of which the College is justly proud.

Quite recently, under Rev. Bro. Doyle, St. George's has taken rank as a Secondary College, entitled to teach up to the Intermediate Arts. Owing to his exertions, and at very considerable expense, two Science Halls have been built and recognition is sought to enable the College to teach Intermediate Science. The existing Intermediate Arts Class is flourishing. Graduates in Arts and Science on the staff are doing excellent work, and

the success of the College in the Cambridge Locals entitles St. George's to the front rank among such institutions.

INSTRUCTIVE STAFF.

1.	Rev. Bro S. J Commins, Principal	Latin.
2.	Rev. Bro. S. J. Darcy	.. English and History.
3.	Rev. Bro. R. M. Phelan	.. Maths.
4.	J. N. Day, M.Sc , L T.	.. Physics and Chemistry.
5.	Rulia Ram, B A.	.. Maths.

ST. JOSEPH'S COLLEGE, NAINI TAL.

St Joseph's College, Naini Tal, was founded in 1888 by the Capuchin Fathers It was handed over to the Irish Christian Brothers in 1892 Its beginnings were small, whether with regard to buildings or numbers. New wings were added in 1900, 1910 and 1920, and minor improvements were made yearly. The numbers increased from 27 in 1893 to 302 in 1925 The College has well-equipped laboratories and libraries. It has four good play-grounds and a swimming and rowing club.

INSTRUCTIVE STAFF.

1.	Rev Bro. J B. Connolly, Principal	Latin and History.
2.	Rev Bro. E. B Mockler, Vice-Principal	Physics.
3	Rev Bro T A Murphy	. English and Mathematics
4	S N Roy, M sc.	.. Chemistry.
5.	C A Robertson, B.sc	. Mathematics.

PHILANDER SMITH COLLEGE, NAINI TAL.

Philander Smith College, is the result of the amalgamation of the Oak Openings Boys' High School, Naini Tal, and the Philander Smith Institute of Mussoorie. The latter was founded by a Mrs Smith, widow of Mr. Philander Smith of Illinois. Her interest in the education of the Anglo-Indian and domiciled European community had been awakened through the influence of the Reverend Denis Osborne of the Methodist Episcopal Church, who opened the school in 1885 Oak Openings School was opened by the *Rev. J. W Waugh, D D, of the Methodist Episcopal Church*, in 1880 at Stoneleigh which, since its evacuation by the Diocesan Boys' School, had been occupied by the Lieutenant-Governor. It moved to its present site in 1889. In 1905, took place the union with the school at Mussoorie, which had outgrown the accommodation there. The number of students, which was then under 100, has now grown to over 200

The College prepared students for the Cambridge Senior and Junior Certificates, for the Roorkee Engineering College and for the Board's Intermediate Arts and Science Examinations

INSTRUCTIVE STAFF.

1.	R. C. Busher, M.A., Principal ..	English and Latin.
2.	F. G. Brandon, M.A., Headmaster	Geography.
3.	P. N. Ghoshal, B. Sc. (Honours)	Physics and Mathematics.
4.	D. G Sullivan, B.Sc. ..	Chemistry.
5.	E. O. D. Thomas, M A. ..	English History and Economics.

LA MARTINIERE COLLEGE, LUCKNOW.

La Martinière College is the result of an order in the will of Major-General Claude Martin (Hon. East India Co.'s Service), a native of Lyons, in France, who died in Lucknow in 1800 A.D. He leaves his house to be "A School or College for teaching young men the English language and Christian religion."

Owing to legal difficulties 40 years passed before his will was carried into effect, but in that year the High Court of Calcutta passed an order instituting the College The College ran till 1857, when under Mr. Schilling 98 boys entered the Residency and played their part in that memorable siege. On being relieved the College went to Benares, but returned to Lucknow in 1859.

From that date onward it has occupied a prominent place in European education in the north of India Under the guidance of Mr. Sykes, who was Principal from 1880 to 1908, the College dominated the entrance to the Engineering College, Roorkee, and the work of the school was made subservient to this ideal

When Mr. Sykes retired the College was re-organized along the lines suggested by Sir Harcourt Butler, the then Deputy Commissioner of Lucknow. The College was extended in 1912 and laboratories and numerous buildings for masters were added. Recognition as an Intermediate College was obtained in 1923

The College, which is housed in the fine old building of "Constantia," has an enrolment of about 270 of whom about 220 are Europeans and Anglo-Indians (200 residents and 20 day scholars) and about 50 are Indian day scholars. The bulk of the boys aim at the Cambridge School Certificate, and the Intermediate class caters for those who care to go up for higher education.

With the funds provided by the Founder the College maintains a very strong staff of teachers, most of whom are trained, and in addition provides for a roll of foundationers 100 strong. Election to the Foundation is made by the Governors, who include the Chief Judge of the Chief Court of Oudh, the Commissioner, the General Commanding, the Deputy Commissioner, and two co-opted members. The finances of the College are in the hands of Trustees, who are the European Members of the Executive Council of His Excellency the Governor, United Provinces, and the Legal Remembrancer to Government, United Provinces.

INSTRUCTIVE STAFF.

1.	W. E. Andrews, M.A. (Oxon), F.R.G.S., Teacher's Certificate, Board of Education, Principal (*on deputation to I. E. S., U. P.*)	
2.	J. G. Taylor, M.A., B.Sc. (Glasgow), Teacher's Certificate, Scottish Education department, First Assistant, Officiating Principal.	Chemistry.
3.	R. A. Cowling, M.A. (Sheffield) Teacher's Certificate, Board of Education.	English.
4.	T. De Gruyther, A C P, C T. ..	Geography and Drawing.
5.	G. L A. Cummings, B A. (Allahabad), L T.	History.
6.	W. C. James, B A. (Allahabad), L.T.	Mathematics.
7.	H. R. Martin, B A. (Calcutta), L T ..	Latin and English.
8.	G. P. Banerji, M Sc. (Allahabad) ..	Physics.
9.	W. M. Austin, B Sc. (Durham) .. Teacher's Certificate, Board of Education.	Mathematics.
10.	Maulvi Abdul Majid . ..	Urdu

CROSTHWAITE GIRLS' INTERMEDIATE COLLEGE, ALLAHABAD.

This institution was started in the year 1894, under the auspices of the Association for the Higher Education of Women in the United Provinces of Agra and Oudh—a body constituted at the suggestion of the late Sir Charles Crosthwaite, K.C S I., the then Lieutenant-Governor of the United Provinces. A primary school was first established in Lucknow and was given the name of the Crosthwaite School. The school could not prosper in Lucknow, and in 1898 was removed to Allahabad, where it was located for some time in muhalla Mahajani Tola In 1908 the present site, comprising about 40 bighas of land, was obtained for it The school which was started only with the primary classes grew into a Vernacular Middle School. *In the year 1910 it was converted into an English Middle School*, and in 1915 into a High School The first group of students came out successfully in the Matriculation Examination of the Allahabad University in 1918 Classes for preparing candidates for the Intermediate Examination were opened in 1919, and the school developed into a second grade college with the result that the first group appeared at that examination in 1921. When the Board of High School and Intermediate Education was constituted *the institution was recognized by that body* and permitted to

teach almost all the important subjects excepting Science for both the Intermediate and High School Examinations. Besides these Intermediate classes for the training of women teachers were also added in July, 1921.

A new hostel, "Lady Sunder Lal Hostel," was completed in the year 1920 at a cost of Rs. 80,000 and provides accommodation for Hindu, Muhammadan, and Christian pupils, 96 in number. It has been recognized by the Allahabad University for the residence of the girls studying for the various University Examinations The tuitional staff consists of a Lady Principal assisted by 17 other teachers of whom nine are graduates and nine under-graduates. The number of trained teachers in the staff is eight.

INSTRUCTIVE STAFF.

1. Miss C. R. Poovaiah, B.A., Principal.	English, XII, XI; and Indian History, X.
2. Mrs M. Sharma, M.A, ETC ..	English, IX and X.
3. Miss L. Pathak, M A. (English) ..	English, XII to X.
4. Miss C. Misra, M A.	Sanskrit, XII and XI; and Hindi, IX and X.
5. Miss M. S. Rawani, B A., B.T. ..	Logic, XI and XII; Domestic Science, X; and Geography X and IX.
6. Miss S. Agha, M.A., LL B. and L.T. .	Domestic Science and Physiology; XI and XII.
7. Miss Dass, B.A.	Bengali, XI and XII.
8. Miss Sen, M A.	Maths. XI; and Bengali X.
9. Miss Tripathi, M A. .. .	Hindi, XI and XII.
10. Miss P. Rawat, B A. .. .	Maths., IX and X.
11. Miss S. Uthup, M.A., L.T. ..	History and Economics, XI and XII.
12. Miss Edke, B.A., B.T.	English History, X.
13. Miss Noble, Intermediate and Special training in Drawing.	Domestic Science, IX, and Drawing, X and IX.
14. M. Babu Ram, Alim Fazil and Intermediate.	Urdu, X, XI and IX.

ISABELLA THOBURN COLLEGE, LUCKNOW.

The Isabella Thoburn College received its charter in 1886 and was affiliated to the Allahabad University. It grew out of the Lal Bagh School which had been opened in 1870 and was the natural outgrowth of an increasing demand for the education of women in the higher classes. The College continued its affiliation with the Allahabad University presenting candidates for the Intermediate Examination and for the B.A. The

College and the School were administered in conjunction until the year 1910 when a separate Principal was provided for the School, and the College administration became wholly distinct. As the number increased the accommodation at Lal Bagh became insufficient, and in 1921 the new site was procured just outside the municipal limits of Lucknow and new buildings were erected. When the Lucknow University was organized, there being no women's department provided in the University scheme, Isabella Thoburn College was permitted to retain its B A. classes and now serves the purpose of a women's college for the University. The old affiliation with the Allahabad University was discontinued from the time of the organization of the Lucknow University.

The College maintains the following departments :—

The Intermediate (classes XI and XII)

The University B.A (B Sc.).

The Training Department (E. T. C.).

The Education department for the training of Graduates (Diploma in Teaching, Lucknow University).

The present total enrolment is 131.

The College compound is known as Chand Bagh. Nichol's Hall contains class rooms, laboratories, library and offices. There are two hostels, a common dining room and a hospital, while the staff live in the same compound Each hostel is in charge of two American teachers who act as wardens. The buildings are all airy and open, solidly constructed, and are fire-proof. The College maintains its own water system and sewage system, but is lighted with electricity from the city supply

The examination results have always been good, but this does not indicate that all efforts are concentrated on academic work. Various social and helpful activities are carried on both within and without the College by the students and teachers. The aim is to train young women for useful living and helpful service in and for India

INSTRUCTIVE STAFF.

1.	Miss M E Shannon, M A, Principal	
2.	Miss A. H. Hunt, M A, Vice-Principal	
3.	Miss I. Bux, M A	European History, XI and XII.
4.	Miss S Chakko, M A	Indian History, XI and XII
5.	Mr. T C. Gaurgas, M Sc	Physics, Mathematics, XI and XII.
6.	Miss S. Johnson, B A	English, XI and XII
7.	Mrs L. Menon, M.A	Economics, XI and XII
8.	Mr. L. M. Mukerji, M Sc	Chemistry, XI, Physics, XI.
9.	Miss R. Oldroyd, M A.	Biology, XI.
10.	Miss N. Roy, M A.	English, XII.

11.	Miss E. Thillayampalam, Ph.D. ..	Biology, XII.
12.	Miss B. Venkataratnam, M.A. ..	Child-Study, XI and XII.
13.	Miss M. Wallace, M.A. ..	Chemistry, XI and XII.

THEOSOPHICAL NATIONAL GIRLS' SCHOOL AND WOMEN'S COLLEGE, BENARES.

The Theosophical National Girls' School and College for women was established in 1913 by Dr. Annie Besant and Miss F. Arundale with the idea of imparting to Indian girls an education which, while preserving all that is best and highest in the ancient ideal of womanhood, would endeavour to equip the Indian girls for the changed life of to-day. The institution, which for many years was carried on entirely by private effort, has now won recognition and support from Government, and is a recognized College preparing students for the examinations of the Board of High School and Intermediate Education; it also prepares candidates appearing privately for the B.A. Degree examination of the Benares Hindu University.

The School and College buildings are situated in the extensive grounds adjoining the premises of the Indian section of the Theosophical Society, thus securing the proper conditions for the effective carrying on of the work of the institution There are large play-grounds, where the girls can play about in sufficient privacy and seclusion.

The staff consists of a number of Indian ladies drawn from the best families who have devoted their lives to the service of their fellow-women. They bring to the work a spirit of consecration, and by living in close association with them the pupils will be able to imbibe the spirit of Hindu culture, which is so vital for the regeneration of India. There is also on the staff a number of European ladies who have come to India with the desire to help the country, who are in thorough sympathy with Indian culture and are gladly co-operating with the Principal in the work of lifting the womanhood of India to its proper position in the life of the nation.

INSTRUCTIVE STAFF.

1.	Mrs. B. Padmabai S. Rao, B.A., Principal.	Economics, XI and English, IX.
2.	Miss Shantilata Duara, M.A., L.T. ..	English, XII; Indian History; X, XI; English History, XI; Child-Study, XI and XII, Domestic Science, IX and X.
3.	Mr. R. V. Moghe, M.A. ..	Logic, XI; English, X to XII.
4.	Mr. A. S. Patwardhan (Hony.), M.A.	Economics, XII.
5.	Miss Krishnabai Pai, B.A. ..	Drawing, IX; Indian History, IX.

6. Miss Sumiti Devi Kaira, B.A. ..	English, XII; English History, IX and X.
7. Miss Anasuya Wagle, B.A. ..	English, XI; English Grammar, X.
8. Mr. T. A. Bhandarkar, Acharya, Intermediate.	Sanskrit, IX to XII.
9. Pandit Vidya Bhushan Misra, M.A. (Hindi).	Hindi, IX to XII.
10. Mr. Raja Ram D. Joshi, Music ..	Music, IX to XI.
11. Dr. R. V. Phansalkar, L.M.S. (Bombay).	Physiology, XI and XII.
12. Miss Sita Deshpande, B.A (Hons)	Mathematics, IX and X.

GOVERNMENT INTERMEDIATE COLLEGE, MORADABAD.

The Government School, Moradabad, was established some seven years after the Mutiny.

It remained under Government control up to 1885, and afterwards it was made over to the District Board and it remained under the control of the Board up to June, 1910.

From July, 1910, it again became a Government institution.

In July, 1922, its status was raised to that of an Intermediate College.

The Moradabad citizens and public made a contribution of about a *lakh of rupees in cash and property The cash was deposited with the* Treasurer, Charitable Endowments, and the property under the control of the Collector.

The income of the Moradabad High School Endowment is Rs. 4,000 a year.

A hostel with accommodation for 105 boarders is attached to the institution.

INSTRUCTIVE STAFF

1. Harish Chandra Misra, M A, Principal.	Often takes tutorial classes in Inter sections.
2. S N Kichlu, M A, LL B, Vice-Principal	English, XII.
3 Niranjan Lal Tayal, M A, B Sc. ..	Mathematics, XII and XI.
4. Rameshwar Sinha, M A, L T ..	History, XI and XII
5. Lalit Mohan Pramanick, M Sc, L.T	Physics, IX, XI and XII.
6. A. K. Sanyal, M Sc . ..	Chemistry, IX, XI and XII.
7. Sri Ram Mathur, B A, L.T .	English, X-A and IX-A.
8. Sohan Lal, M.A, L T.	English, IX-B, History, X-B.
9. Mool Chand Sharma, B A, L T. .	Mathematics, X-A and IX-B, G English, IX-A.

10. Mathura Prasad, B.A., C.T. .... History, IXA.
11. Hari Mohan, B.A., L.T. .. Logic, XII and XI; Geography, X and IX.
12. Tajendra Chandra Roy, B.Sc., L.T. Science, X, Phy. Practical, XII.
13. G. S. Chowfin, M.A., L.T. .. English, XI.
14. Ambika Prasad, B.A., L.T. .. Maths., IXA; English, XB.
15. Ram Autar Sharma, B.A., L.T. .. Gel. English, XIB; History, IXB and XA.
16. Fida Husain Khan, Matric (Punjab), Maulvi Fazil, Munshi and trained as language teacher. Urdu, X and IXB; Arabic, XIA; Persian, XII and XI.
17. Gopal Dat Pant, Matric (Punjab,) Sahityacharya, Shastri and trained as language teacher. Hindi, XB and IXB, Sanskrit, XII and XI.
18. Muhammad Majid Siddiqi, M.A. .. Urdu, XI and IX.
19. Kali Krishna Barat, M.Sc., L.T. .. Mathematics, XB and Chem. Prac., XIIB.
20. Risal Singh Padha, Industrial apprentice class, Roorkee, Mechanical draftsman, etc. Also attended refresher course. Drawing, IX and X.
21. Lalman Sharma, Visharad Exam (Punjab). Sanskrit, IXB, Hindi, IXA.
22. Gauri Shanker Misra, Matric (Punjab), Proficiency in Hindi (Punjab), Shastri and trained at T. C. Lucknow. Sanskrit, XB, Hindi, XA.
23. Mushtaq Ahmad Khan, Matric. (Punjab), Munshi Fazil and Kamil. Persian, IXB and XA, Urdu, XA.

GOVERNMENT INTERMEDIATE COLLEGE, ALLAHABAD.

The old Government High School was raised to the standard of an Intermediate College in 1922. Mr. O. J. Gardener, M.A., I.E.S., was the first Principal. Provision was made for the teaching of the following subjects in the Intermediate classes:—History, Logic, Sanskrit, Persian, Arabic, Mathematics, Physics and Chemistry. Biology was introduced in 1923. As the proposed College building has not yet been constructed the Intermediate classes at present meet in the building which was meant for the junior classes of the old Government High School. There are two sections each in classes IX to XII with a total enrolment of 213 students.

INSTRUCTIVE STAFF.

1. R. N. Kaul, M.A., L.T. (Allahabad), Offg. Principal.	Logic, XI.
2. Qazi Khurshed Ahmad, M.Sc. (Allahabad).	Maths., XI and XII; Physics, XII.
3. S. D. Malaviya, M.Sc. (Allahabad)	Chemistry, XI and XII.
4. R. K. Wahal, M.Sc. (Allahabad) ..	Physics, XI and XII
5. M. H. Naqvi, M.A. (Allahabad) ..	History, XI and XII; Logic, XI and XII.
6. P. N. Bhattacharya, M.A. (Alld.)	English, XI and XII
7. M. P. Chatterji, M.Sc., L.T. (Allahabad).	Biology, XI and XII.
8. M. S. Saxena, M.A., L.T. (Allahabad).	Economics, XI and XII; English, XI; History, XI.
9. H. Drummond, B.A., L.T. (Alld.) ..	History, X and IX.
10. P. K. Banerji, B.A., L.T. (Allahabad)	English, X and IX
11. Bishambher Datt, B.A., L.T. (Allahabad).	History, X; Maths., IX; English, IX.
12. C. F. Tressler, B.A., L.T. (Allahabad)	English, X, IX and XI.
13. S. B. L. Varma, B.A., L.T. (Allahabad).	English, X, Maths., X.
14. L. P. Srivastava, B.A., L.T. (Allahabad).	Geography, X and IX.
15. M. G. Banerji, B.Sc., L.T. (Allahabad).	Physics, XI, X and IX.
16. B. D. Srivastava, B.A., L.T. (Allahabad).	History and English, IX.
17. Mohammad Zahir, B.A., L.T. (Allahabad)	English, IX.
18. Sohan Lal, M.A., L.T. (Allahabad)	Maths., X
19. S. K. Shome, M.Sc., L.T. (Allahabad)	Chemistry, XII to IX
20. H. P. Mathur . ..	Drawing, X and IX.
21. L. M. Chatterji . ..	Manual Training, X and IX.
22. R. A. Misra, Inter. C.T. (Allahabad)	Hindi, IX
23. Mohd. Isa, Inter., C.T. (Allahabad)	Persian, XII and XI; Arabic, XI
24. Abdul Hafiz	Persian and Urdu, X, Arabic, IX.

25. Sirajul Haq, Siddiqi ..	.. Arabic, XII ; Persian, XI ; Arabic, X ; Urdu and Persian, IX.
26. R. K. Kaul ..	.. Sanskrit, XII and XI.
27. Durga Dutt ..	.. Hindi, X ; Sanskrit, IX.
28. Krishna Nand ..	.. Sanskrit, X ; Hindi IX.

GOVERNMENT INTERMEDIATE COLLEGE, ETAWAH.

The beginnings of the institution were laid as far back as 1856, when Mr. A. O. Hume, the then Collector, started a school in the old city. The outbreak of the Mutiny retarded its progress for a time but after the storm was over the zeal and earnestness of the founder enlisted the sympathy of a large section of the local gentry and the school was soon in a flourishing condition The Zilla School, under the name of the Hume High School, continued to exist with varying fortune, till with a change in the policy of Government, the institution was turned into a Government High School. After about a decade the old building and the Library were acquired by the authorities of the Sanatan Dharam High School, and the Government High School was located in a new building, built according to the approved model near the railway station. The school was raised to the status of an Intermediate College in 1922, under the management and control of the Government.

The rates of fees, etc., are the same as in other Government Intermediate Colleges.

In addition to the scholarships granted by the Government there are a few local scholarships and prizes detailed as follows :—

1 S C. Pathak Scholarships.

The income received from the endowment is expended in awarding annually two scholarships of the value of Rs. 4 per mensem each, and one of the value of Rs 6 per mensem tenable for one year by students under 18 years of age of classes VIII to X, preference being given to those who are poor and *bona fide* residents of the town or the district.

2. Hume Scholarships.

The income derived from the endowment, invested by Mr. A. O. Hume, is spent on four scholarships of the value of Rs. 6 each. Two of the scholarships are awarded for proficiency in English and two for proficiency in Mathematics to scholars who are below 14 years of ago.

3. District Board Scholarships.

There are four scholarships of the value of Rs. 2 each to be awarded to the most eligible boarders, who are the residents of the district.

4. Tonk Prize.

A sum of Rs. 40, the interest yielded by the endowment of the Nawab of Tonk is divided between the two best students in Mathematics in classes IX and X.

5. Demello Prize.

A prize of Rs. 40 is awarded annually to the best student of class X.

There are three hostels attached to the College with accommodation for about 130 scholars. One of the hostels is reserved for a particular class of Rajputs, who live rent-free and enjoy other concessions as well.

Instructive Staff

1.	S. K. Ghosh, M SC, Principal ..	Physics, XII.
2.	Jagadish Prasanna Mukerji, M SC, L.T.	Mathematics, XII and XI.
3.	Bashirul Haq Haqqi, M A, L.T. ..	English, XII and XI; Logic, XI.
4.	Ramesh Chandra Banerji, M SC. ..	Chemistry, XII to X.
5.	Najmul Husain, M.A ..	History, XII and XI; Logic, XII, General English, XI.
6.	S. S Saksena, M SC, L T.	Physics, XII to X.
7.	R. S Misra, Acharya 5 Pts and Trained.	Sanskrit, XII to IX
8.	*Mahmud Hasan, Entr, Munshi* Fazil, Maulvi Fazil and Trained.	*Persian, XII to IX*
9.	R. N. Chaturvedi, M A., B.SC., L.T.	Hindi, XI to IX.
10.	Lakshmi Narain Varma, B A., C T.	General English, XI; English, XA.
11.	Krishna Nand Joshi, B A., L T	English, XB, Geography, IXB.
12	Chandra Bhushan Awasthi, B A., L.T.	English, IXB, Geography, XB.
13.	Lakshmi Narain Saksena, B SC, L.T.	Physics, IX, Mathematics, X.
14.	Gaya Prasad Awasthi, B SC, L T	Chemistry, IX.
15.	K. N. Pandey, B.A., L.T. ..	History, XA and IXA, English, IXA.
16.	*Jawahar Lal Dalela, Inter., C T* ..	*Mathematics, IX*
17.	Mohd Hasan, Inter. (English), V T.C., Munshi Fazil and High Proficiency in Urdu.	Urdu, X and IX.
18.	Mata Din Tripathi, Sahitya Acharya, Pt. 1 and Madhyama Pariksha.	Hindi, XA and IXA.

19. Narain Dutt Tripathi, Shastri, Sahitya Acharya 3 Pts. and Kavya Tirth.	Hindi, XB and IXB.
20. Rajendra Prasad Srivastava. Holds Certificate of Industrial Apprentice and Drawing class Examination, Thomason College, Roorkee.	Drawing, X and IX.

GOVERNMENT INTERMEDIATE COLLEGE, JHANSI.

The College was opened in the year 1921 as a result of the recommendations of the Sadler Commission on the Calcutta University. It is situated on the Gwalior Road at a distance of a mile and-a-half from the heart of the city in an open place. The building consists of two big blocks with quadrangles in the middle. These blocks are joined to each other by the hall. One of these blocks was constructed for the junior classes III to VIII, while the other for classes IX to XII—the new type of Intermediate College. The two blocks have sufficient accommodation in them for opening double sections in all the classes. A little to the west of the College building is a workshop for the Manual Training Classes which unfortunately could not so far be started for want of funds.

The College has within its compound two hostels with quarters for the superintendents in each, one for the junior and the other for the senior students with a total accommodation of ninety boarders in both. There are extensive playgrounds although not yet properly laid out. The whole building was constructed at a cost of Rs. 5,05,000.

The College is wholly maintained by Government.

INSTRUCTIVE STAFF.

1. Chunni Lal Sahney, M.Sc. (Allahabad).	Physics, XII.
2. Mirza Abdul Hai Beg, M.A. (Allahabad).	English, XII, XI and X.
3. Vithal Jaikrishna Kale, M.A., B.Sc., L.T. (Allahabad).	Mathematics, XII and XI.
4. Umed Ali, M.Sc., (Allahabad) ..	Chemistry, XII to IX.
5. Mohd. Iftikhar Husain, M.A., LL.B. (Allahabad).	History, XII and XI; English, IX.
6. Habib Ahmad Alvi, M.Sc., L.T., (Allahabad).	Physics, XII to IX.
7. Hari Pado Roy, B.A., L.T. (Benares)	English, X.
8. Keshav Shanker Pacholi, B.A. (Allahabad), L.T. (Benares).	Geography, X and IX.

9. Monindra Kumar Sanyal, B.A., L.T. (Allahabad).	English, X; History, IX and X.
10. Har Narayan Lal, B.Sc., L.T. (Allahabad)	Mathematics, IX; Science Pract., XII
11. Manbodhan Lal Srivastav M.A. in English and Hindi (Agra), B.Sc., L.T. (Allahabad).	Mathematics, X; English, IX and XI.
12. Lakshmi Narain Agarwal, M.A., L.T. (Allahabad).	Logic, XII and XI.
13. Ayodhya Prashad, B.A. (Allahabad), C.T. (Agra)	History, IX and X; English, IX.
14. Syed Yusuf Masih, B.A. (Punjab) Honours in Persian, Munshi Fazil, M.R.A.S. (London), (Trained at Training College, Lucknow).	Urdu, XII and XI; Persian, XI and X.
15. Prem Vallabh Pant, Intermediate (Allahabad), Acharya in Sahitya of Benares, Shastri of the Punjab, Vyakaran Tirth of Calcutta, Madhyama in Nyay of Calcutta, Ratna Degree of Baroda, Advanced in Hindi	Sanskrit, XII and XI; Hindi, XII and XI.
16. Venkat Rao Gopal Tailong, A.V.M. Studied up to III Standard, Mayo School of Arts, Lahore.	Drawing, X and IX
17. Ram Saran Lal, V.T.C., I Prathama of B.S.C.E.	Hindi, IX.
18. Kedar Nath Tripathi, Acharya in Vyakarana of B.S.C.E.	Hindi, IX; Sanskrit, IX
19. Sadashiva Dikshit, Intermediate (Punjab), Sahitya Acharya of B.S.C.E.	Sanskrit and Hindi, X
20. Musharraff Husain Raz, Honours in Persian, Kamil and V.F.E.	Urdu, IX and X
21. Mohd. Khurshed Ali, Munshi Fazil, Honours in Persian, Kamil, Advanced in Urdu, Intermediate in English.	Persian, IX.
22. Brij Raj Tiwari, S.L.C., C.T. (Agra)	Science Pract., IX and X.

QUEEN'S INTERMEDIATE COLLEGE, BENARES.

The Queen's College, Benares, is now an Intermediate College affiliated to the Board of High School and Intermediate Education, United Provinces. But before 1922 it was a first grade College affiliated to the Allahabad University in Arts and Science It is maintained by Government, and is under the control of the Education department. The tuition fees vary from Rs. 6-8-0 to Re. 1. Government scholarships are awarded according to the results of the Board's examinations. There are also local scholarships, amounting to about Rs. 100 per mensem.

INSTRUCTIVE STAFF.

1. B. Sanjiva Rao, M A (Cantab.), I.E.S., Principal.	General English, XIIA; English Text, XIIB and XIB.
2. Chandi Prasad, M.A, B.Sc., Vice-Principal.	Physics, XIB and XIIB.
3. Ali Ameer, M.A, LL.B. ..	English Text, XIIA; General English, XIIB; Logic, XIIA and XIA.
4. Panna Lal Loiwal, M.Sc. ..	Biology, XIIB, XI B and IX.
5. A. P. Banerji, M.A.	English Text and General English, XIA (I Section); History, XII-A and XI-A.
6. R. N. Gupta, M.A.	Economics, XI and XII; History, IXB.
7. M. Himayatul Hasan, M A. (Prev.)	Arabic and Persian, XIIA and XIA; General English, XB.
8. M. M. Pandit Lakshman Shastri Tailang (Sahityacharya).	Sanskrit, IX to XII.
9. Shantu Lal Jindal, M.Sc, Diploma in Education (Bristol).	Chemistry, XIB and XIIB.
10. Makhan Lal Gupta, M.Sc., L.T. ..	Mathematics, X to XII.
11. N. D. Banerji, B Sc., L T ..	Science, IX and X.
12. Chote Lal Khandelwal, B.Sc., L.T.	Physics Practical, XIIB and XIB.
13. Pravaker Banerji, B.A, L.T. ..	General English, XIB; History, X A and B and IXA.
14. Jagdish Prasad Dube, M.A., L.T. ..	English Text and General English, XIA (II Section). English Text, XA, and B.
15 Rambahori Shukla, M.A. ..	Hindi, IX to XII.
16. Bindeshwari Lal, B.A, L.T. ..	General English, XA. English Text, IXA, Mathematics, IXA and B.
17. Mannu Lal, H. Vachahrajani, B.A, L.T., M A., (Previous).	English Text, IXB; General English, IXB, Geography, XA and IXA.

18. Vithal Nath Dube, B.A., C.T. ..	General English IXA.
19. Ramagati Lahiri	Drawing, IX and X.
20. M. Abu Hamid Mohammad Abdul Majid Siddiqi, Mulla and Fazil.	Urdu and Persian, IX and X.

GOVERNMENT INTERMEDIATE COLLEGE, ALMORA.

The College was started in July, 1921, by adding Intermediate classes to the Government High School. A scheme for building an Intermediate College on a new site fell through for want of funds, and the College is still housed in the buildings of the Government High School. It is hoped that a new Junior school will be begun next year. The following subjects are taught.—

Mathematics, Physics, Chemistry, Sanskrit, Persian, Arabic, History, Logic and Economics.

INSTRUCTIVE STAFF

1. Naipal Singh, B.A. (Oxon.), B.A. (Allahabad), Principal	English History, XI; Eng. Com., XII; Eng. Rapid Reading, XA and XB
2. Prakash Chandra Mukerji, M.Sc. (Allahabad), Vice-Principal	Chemistry, XI and XII; Science, IX
3. Padma Dat Pant, M.Sc. (Allahabad)	Physics, XI and XII, Science, X.
4. Saiyid Mukhtar Husain Naqavi, M.A., L.T. (Allahabad)	History, XII and XA, Ind. Hist., XI, Eng. Unseen, IXB, Eng. Rapid Reading, IXA; English Composition, XI.
5. Jai Dat Sodha, M.A. (Maths.), (Allahabad), M.A. Phil. (Agra), M.A., Econ. (Agra), L.T. (Allahabad).	Mathematics, XI, XII and X-B; Eng. Dictation, XI-B.
6. Ijlal Ahmad Khan, M.A. (Lucknow), L.T. (Allahabad).	Economics, XI and XII; English Unseen, Text and Grammar, IXA, English Translation, XI; English Dictation, XA and IXA.
7. Asad-ullah Kazmi, M.A. (Aligarh), Diploma in Education (Leeds).	English Text, XII, XI and XB; English Unseen, XII.
8. Hari Ram Tripathi, B.A., L.T. (Allahabad).	English Text, Translation, Composition Unseen, and Grammar, X-A, English Text and Rapid Reading, IXB.
9. Harish Chandra Pant, B.Sc., L.T. (Allahabad).	Mathematics, XA, Science Practical, IX, Dic., XB and English Composition, IXA

10. Lakshmi Dat Tiwari, M.A., L.T. (Allahabad).	History, IXA and IXB; English Translation, XB. English Unseen XB; History, XB.
11. Debi Dat Fuloria, M.A. (Benares), L.T. (Allahabad)	Mathematics, IXA and IXB; English Translation, IXA.
12. Nrisingh Nath Tripathi (Vayakarana Acharya, Benares).	Sanskrit, XII and XI; Hindi Com., IXA and IXB.
13. Hari Saran Singh, M.A., L.T. (Allahabad).	Logic, XII and XI; Eng. Translation and Composition, IXB; and English Composition, XB.
14. Ghananand Bhatt, Matric., C.T., Teacher's Senior Examination in Drawing (Lahore).	Drawing, XA and XB.
15. Gauri Dat Sharma, Khand Acharya (Sahitya)	Sanskrit, X and Hindi, X.
16. Pitambar Dat Joshi, Madhyama (Benares)	Sanskrit, IX and Hindi, IX.
17. Mohammad Iftikhar, Fazil (Allahabad)	Persian, IX and Urdu, IX.

GOVERNMENT JUBILEE INTERMEDIATE COLLEGE, LUCKNOW.

This institution was started as an aided High School in 1887 on the occasion of the first Jubilee of the late Queen Victoria. It was taken over by Government on April 1, 1908, and in July, 1922, was raised to the status of an Intermediate College The options taught in the High section are the three Indian classical languages, Science, Drawing and Commerce, while in the Intermediate section the College is recognized in Mathematics, Chemistry, Physics, Biology, History, Logic, the three Indian classical languages, Economics, Urdu and Hindi.

INSTRUCTIVE STAFF

1. Rai Sahib Pandit Kali Prasad, B.A.	Principal.
2. Anil Nath Ghosh, M.Sc., Vice-Principal.	Chemistry, XI Sc., and XII Sc.
3. Parmeshwar Dayal, M.Sc. (Allahabad), F.P.S. (London).	Physics, XI Sc., and XII Sc.
4. B. L. Agarwala, M.A., C.T., LL.B. (Allahabad), M.R.A.S., M.R.H.S., M.R.E.S.	History XII Arts and XI Arts and IX.

5. Khwaja Athar Husain, M.A., English (Allahabad), M.A. (Prev. Philosophy.)	Logic, XII Arts and English Prose, XI Arts and English Text, XII Arts and XII Science and English Translation, Composition, Unseen and Grammar, XII Arts
6. Sachchidanand Mittra, M.Sc. (Allahabad).	Mathematics, XII Arts and Science, and Geometry and Mensuration, XA.
7. P. K. Banerji, M.A. (Lucknow) ..	Economics, XI and XII Arts; Logic, XI Arts.
8. Gyanchand Gupta, M.Sc., L.T. ..	Biology, XI Science, and XII Sc.
9. P. G. Banerji, B.Sc., L.T. ..	Science, XA and XB, IXA and IXB; Arith. and Alg., XA and XB.
10. P. K. Mittra, B.A., L.T. ..	English Prose, XI Sc., English, XB; English Dictation, XB Arithmetic and Algebra, IXA and IXB.
11. J. V. Singh, M.A., L.T. (Allahabad)	English Poetry, Translation and Composition and Grammar, XI Arts and Science, Geography, IX and X.
12. Ali Abbas Husaini, M.A., L.T. (Allahabad).	English Translation, Composition, and Grammar, XII Sc., History, IX and X, English Text, IXA
13. J. L. Sharma, B.A., L.T. .	English Text, XA and English General, XA, Geom and Mens., XB.
14. Shankar Sahai, B.A., L.T. .	Geometry and Mensuration, IXA and IXB. History, X and English, Text, and English General, IXB.
15. J. N. Chowdhry, M.A., B.Sc., L.T.	Practical Physics and Chemistry, XI Sc. and XII Sc.
16. Shri Dhar Singh, M.A. (Benares) ..	Hindi, XI Arts and XII Arts, Hindi, IX A and B and XA and XB, English Translation, XI Science

10. Lakshmi Dat Tiwari, M.A., L.T. (Allahabad).	History, IXA and IXB; English Translation, XB. English Unseen XB; History, XB.
11. Debi Dat Fuloria, M.A. (Benares), L T (Allahabad).	Mathematics, IXA and IXB; English Translation, IXA.
12. Nrisingh Nath Tripathi (Vayakarana Acharya, Benares).	Sanskrit, XII and XI; Hindi Com, IXA and IXB.
13. Hari Saran Singh, M A., L T. (Allahabad).	Logic, XII and XI; Eng. Translation and Composition, IXB; and English Composition, XB.
14. Ghananand Bhatt, Matric., C T., Teacher's Senior Examination in Drawing (Lahore)	Drawing, XA and XB.
15. Gauri Dat Sharma, Khand Acharya (Sahitya)	Sanskrit, X and Hindi, X.
16. Pitambar Dat Joshi, Madhyama (Benares).	Sanskrit, IX and Hindi, IX.
17. Mohammad Iftikhar, Fazil (Allahabad).	Persian, IX and Urdu, IX.

GOVERNMENT JUBILEE INTERMEDIATE COLLEGE, LUCKNOW.

This institution was started as an aided High School in 1887 on the occasion of the first Jubilee of the late Queen Victoria It was taken over by Government on April 1, 1908, and in July, 1922, was raised to the status of an Intermediate College. The options taught in the High section are the three Indian classical languages, Science, Drawing and Commerce, while in the Intermediate section the College is recognized in Mathematics, Chemistry, Physics, Biology, History, Logic, the three Indian classical languages, Economics, Urdu and Hindi.

INSTRUCTIVE STAFF.

1. Rai Sahib Pandit Kali Prasad, B A.	Principal.
2. Anil Nath Ghosh, M SC, Vice-Principal.	Chemistry, XI Sc., and XII Sc.
3. Parmeshwar Dayal, M.SC. (Allahabad), F P.S. (London).	Physics, XI Sc., and XII Sc.
4. B L. Agarwala, M.A., C.T., LL.B. (Allahabad), M.R.A.S, M.R H.S, M.R E.S.	History XII Arts and XI Arts and IX.

5. Khwaja Athar Husain, M.A., English (Allahabad), M.A. (Prev. Philosophy.)	Logic, XII Arts and English Prose, XI Arts and English Text, XII Arts and XII Science and English Translation, Composition, Unseen and Grammar, XII Arts.
6. Sachchidanand Mittra, M.Sc. (Allahabad).	Mathematics, XII Arts and Science; and Geometry and Mensuration, XA.
7. P. K. Banerji, M.A. (Lucknow) ..	Economics, XI and XII Arts; Logic, XI Arts
8. Gyanchand Gupta, M.Sc., L.T. ..	Biology, XI Science, and XII Sc.
9. P. G. Banerji, B.Sc., L.T. ..	Science, XA and XB, IXA and IXB; Arith. and Alg., XA and XB.
10. P. K. Mittra, B.A., L.T. ..	English Prose, XI Sc., English, XB, English Dictation, XB Arithmetic and Algebra, IXA and IXB.
11. J. V. Singh, M.A., L.T. (Allahabad)	English Poetry, Translation and Composition and Grammar, XI Arts and Science, Geography, IX and X.
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13. J. L. Sharma, B.A., L.T. ..	English Text, XA and English General, XA, Geom and Mens; XB.
14. Shankar Sahai, B.A., L.T. ..	Geometry and Mensuration, IXA and IXB; History, X and English, Text, and English General, IXB.
15. J. N. Chowdhry, M.A., B.Sc., L.T. .	Practical Physics and Chemistry, XI Sc. and XII Sc.
16. Shri Dhar Singh, M.A. (Benares) ..	Hindi, XI Arts and XII Arts; Hindi, IX A and B and XA and XB; English Translation, XI Science.

10. Lakshmi Dat Tiwari, M.A., L.T. (Allahabad).	History, IXA and IXB; English Translation, XB. English Unseen XB; History, XB.
11. Debi Dat Fuloria, M.A. (Benares), L.T. (Allahabad).	Mathematics, IXA and IXB; English Translation, IXA.
12. Nrisingh Nath Tripathi (Vayakarana Acharya, Benares).	Sanskrit, XII and XI; Hindi Com., IXA and IXB.
13. Hari Saran Singh, M.A., L.T. (Allahabad)	Logic, XII and XI; Eng. Translation and Composition, IXB; and English Composition, XB.
14. Ghananand Bhatt, Matric, C.T., Teacher's Senior Examination in Drawing (Lahore)	Drawing, XA and XB.
15. Gauri Dat Sharma, Khand Acharya (Sahitya)	Sanskrit, X and Hindi, X.
16. Pitambar Dat Joshi, Madhyama (Benares).	Sanskrit, IX and Hindi, IX.
17. Mohammad Iftikhar, Fazil (Allahabad).	Persian, IX and Urdu, IX.

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3. Parmeshwar Dayal, M SC (Allahabad), F P.S (London)	Physics, XI Sc., and XII Sc.
4. B. L. Agarwala, M.A., C.T., LL.B. (Allahabad), M.R.A.S., M R.H S., M R.E.S.	History XII Arts and XI Arts and IX.

In the College athletics, as far as possible, every student takes part in one game or another. The College maintains almost all games, both Indian and European.

The health of the students is looked after by a regular medical officer with the assistance of a whole-time Compounder in charge of the College Dispensary.

Besides the Government scholarships, a large number of stipends and scholarships provided by public bodies and friends and sympathisers of the College are available to the students of the College. In 1928-29, 61 scholarships, 35 freeships and 34 half-freeships were given to the students of the College.

A Poor Boys' Fund, collections for which are made by the Staff and students, is also maintained for the help of poor and deserving students.

INSTRUCTIVE STAFF.

1.	P. Seshadri, M.A.	Principal.
2.	B. N. Chopra, F R E.S., Associated Accountant, and Incorporated Secretary (London).	Vice-Principal.
3.	G. S Sharma, M.A., B. Com. G.D.A., F C.L., C T.	Lecturer in Accountancy.
4.	B. N Sharma, B A. (Hons.), L T, M.A. (Prev.)	Lecturer in English.
5.	Kunwar Bahadur, M.A. ..	Lecturer in Mathematics.
6.	K. K. Sharma, M.A., B. Com,	Lecturer in Commerce and Economics.
7.	D. P. Mehrotra, M.A, B. Com., F.R.E.S.	Lecturer in Economics and Banking
8.	B. P. Gupta, M.A., B. Com., F.R G.S.	Lecturer in Geography and Shorthand.
9.	Ganga Ram Talwar, B. Com, LL.B (Prev.)	Lecturer in Commerce
10.	Tilak Singh Kushwaha, B. Com, LL B.	Lecturer in Commerce and Instructor in Typewriting.

AGRICULTURAL INSTITUTE, NAINI, ALLAHABAD.

The Agricultural Institute was founded in 1912, in the belief that the improvement of Indian agriculture is fundamental to all material and spiritual progress. In particular the Institute has emphasized the training of scientific agriculturists, rather than agricultural scientists. It has striven to prepare its students to take their places as farmers, on their own land or for others, and as teachers, either in schools or in the Agricultural services. Many have been successfully engaged in such work.

Following the purchase in 1912 of 275 acres considerable progress has been made in improving the land and in erecting the necessary buildings. A gift has been received which is making possible the extension of the farm to 1,000 acres. On the farm the students actually carry on farming operations, while in the class rooms and scientific laboratories they learn the theory which governs the practice.

Students have come from all over India, from Kashmir to Assam, and even from Mesopotamia and the Fiji Islands. A number have been sent here by Indian States and others by several missions. Believing that students who complete the course satisfactorily should receive a diploma recognized by the Government the Institute has brought to the attention of the educational authorities the need for an agricultural course. In this it has now been successful.

In January, 1925, the Minister of Education approved the action of the Board of High School and Intermediate Education in instituting a diploma course in agriculture.

This course is of Intermediate College rank, on the analogy of the Diploma in Commerce, and is designed to prepare students for the Degree Course in agriculture as well as to fit them to manage farms or to teach agriculture in lower schools. The Board of High School and Intermediate Education, United Provinces, has granted provisional recognition to the Allahabad Agricultural Institute to prepare students for the Agricultural Diploma Examination up to the Examination of 1930.

The Dairy department has always played an important part in the Institute. It was thus particularly gratifying when the Institute was invited to teach to the newly-sanctioned Indian National Diploma in Dairying. This course prepares men to manage private dairies or to enter Government dairy service.

Because of the increasing demand for teachers of agriculture and for teachers in rural schools adapted to the needs of the community, the Institute opened in July, 1923, the Rural Teachers' Training Course. In connexion with this course a rural community school has been opened, which affords an opportunity for the students in the training course to observe methods and to teach under supervision.

INSTRUCTIVE STAFF.

1.	Dr. Sam Higginbottom, M.A., L'D., Phil. (Princeton University) B.Sc. in Agriculture (Ohio State University).	Principal, Economics.
2.	W. B. Hayes, B.Sc. in Agriculture, M.Sc. (Oregon State Agricultural College).	English.

3.	Mason Vaugh, B.Sc. in Engineering, B Sc., in Agriculture, A. E. (University of Missouri).	Engineering.
4	Ira A. Hatch (Cornell University).	Practical Farming
5.	Wilmer J Hansen, B Sc. in Agriculture (University of Manitoba, M.Sc. (University of Minnesota).	Animal Husbandry.
6.	B. M Pugh, B Sc. (University of California)	Physics and Elementary. Soil Science
7	C P. Dutt, M Sc. (University of California).	Chemistry and Botany.
8	H. K. Mukerjee, L E E. (Benares Hindu University).	Shop Practice.
9.	Allan P. K. Sircar, L Ag. (Cawnpore).	Laboratory Assistant.
10.	Cary N. Weisiger, B A. (Princeton University).	English.
11	W K. Wesley, M Sc. (Allahabad)	Zoology.

AGRICULTURAL COLLEGE, CAWNPORE.

In 1893 a small school was started near the present site of the Agricultural College with the object of training selected men as kanungoes under the Department of Revenue, United Provinces Agriculture then formed a very small part of the training imparted In 1906 the school course of two years was elaborated to a three years' course and the school raised to the status of a College. From 1906 to 1913 the College Diploma was a qualification for entry into the Subordinate Agricultural Service of the United Provinces and the grade of supervisor kanungo in the revenue service. In the autumn of the latter year a school was re-opened for the training of kanungoes, and a scheme for the re-organization of the College was promulgated This re-organization came into force in October, 1914 Under this order the management of the college is vested in a governing body which deals with admissions, fees, grants of stipends, the curriculum of the College, holidays and such other matters of internal administration as may be put before it.

Three courses are now given The first of these is one of two years' duration terminating in the Agricultural Diploma Examination of the Board of High School and Intermediate Education, the second a four years' course terminating in the College Diploma of Licentiate in Agriculture; and the third a two years' course in the Vernacular which is mainly practical in character.

Following the purchase in 1912 of 275 acres considerable progress has been made in improving the land and in erecting the necessary buildings. A gift has been received which is making possible the extension of the farm to 1,000 acres. On the farm the students actually carry on farming operations, while in the class rooms and scientific laboratories they learn the theory which governs the practice.

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3. Mason Vaugh, B.Sc. in Engineering, B.Sc., in Agriculture, A. E. (University of Missouri).	Engineering.
4. Ira A. Hatch (Cornell University)	Practical Farming
5. Wilmer J. Hansen, B.Sc. in Agriculture (University of Manitoba, M.Sc. (University of Minnesota).	Animal Husbandry.
6. B M. Pugh, B Sc. (University of California).	Physics and Elementary. Soil Science.
7 C. P Dutt, M.Sc. (University of California).	Chemistry and Botany.
8. H. K. Mukerjee, L.E E. (Benares Hindu University).	Shop Practice.
9. Allan P. K Sircar, L.Ag. (Cawnpore).	Laboratory Assistant.
10. Cary N Weisiger, B.A. (Princeton University)	English.
11. W. K Wesley, M.Sc. (Allahabad)	Zoology

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The qualification for admission to the first two courses is the High School Certificate or a certificate of equivalent standing. For the Vernacular Course no special educational qualifications are demanded, but candidates must be able to read and write the Vernacular fluently, preference being given to such as have reached the standard of the Vernacular Final or Middle standard in an English school.

INSTRUCTIVE STAFF.

1. C. Maya Das, M.A., B.Sc. (Edin.), I.A.S.	Principal and Professor of Agriculture.
2. Khwaja Nafees Hasan, L.Ag. ..	Lecturer in Agriculture.
3. M. Wasiullah Khan, L.Ag., M.R.A.S.	Ditto.
4. Chaudhary Alam Singh, L.Ag. ..	Lecturer in Dairying and Animal Husbandry.
5. Khalil Ahmad, B.A., LL.B. ..	Lecturer in English.
6. Nanak Chand, Veterinary Assistant Surgeon	Lecturer in Veterinary Science.
7. Hansraj Singh (qualified in Roorkee).	Lecturer in Agricultural Engineering.
8. H. N. Batham, M.A.	Inorganic Chemistry, I year. Head of (and supervision of Practicals) Section.
9. G. R. Saxena, B.A.	Organic and Inorganic Chemistry, II year. Chemistry Practicals, I and II year.
10. T. R. Goel, L.Ag.	Chemistry Practicals, I and II year.
11. S. N. Chatterji, M.Sc. ..	Physics (Theory and Practs.), I and II year; Mathematics, I year.
12. Shripal Singh, B.Sc. (M.A. Previous)	Physics Practicals, I and II year.
13. T. S. Sabnis, B.A. (Hons.), M.Sc. ..	(Head of the Botany, Zoology, Biology, Botany and Horticulture section).
14. R. V. Damle, B.A.	Botany.
15. M. G. Phatak, L.Ag. (Bombay) ..	Botany.
16. V. N. Sane, B.Ag.	Horticulture.
17. D. S. Chowdhry, M.Sc. ..	Zoology.
18. Dudh Nath Singh, L.Ag. ..	Botany.

K. E. M. UDAIBHAN JAT INTERMEDIATE COLLEGE, LAKHAOTI (BULANDSHAHR).

The origin of this institution may be traced back to the year 1905, when Rai Bahadur Ch. Amar Singh, O.B.E., of Pali started a Boarding School in his private residence at Pali with only a small number of boys under a warden and a tutor. In the year 1910 this humble "Pathshala" of Pali was removed to Lakhaoti where it began to work as a Primary School and continued working in that capacity till 1913 when it was raised to the standard of a middle school Rai Bahadur Ch Amar Singh, O B E, feeling the want of a suitable English High School for Jat boys, in which the traditional characteristics of the community could be encouraged enlisted the support of several Jat Zamindars, chief among whom was the late Rani Raghuvir Kunwar of Sahanpur Estate and got recognition for starting High School classes in the year 1919. The institution achieved admirable success as a High School and its managing committee felt encouraged to raise its status On April 1, 1930, His Excellency Sir Malcolm Hailey, G C I E, K C S.I, I C S, Governor of the United Provinces of Agra and Oudh and His Highness the Maharaj Rana of Dholpur visited the Jat High School The former made a fervent appeal to the Jat Community to help the institution and the latter accepted the patronship of it and promised to help it in all possible ways As a result of His Highness' kindness and His Excellency's sympathies the High School transformed itself into an Intermediate College on July 20, 1931 At present it is affiliated to the Board of High School and Intermediate Education, United Provinces, for the agriculture section only but steps will soon be taken to see it a full grade College

The College aims at preparing "complete man" and loyal citizens by broadening the spiritual and material out-look of its students It endeavours to raise the moral tone of the students by inculcating upon them healthy moral ideas It provides special facilities to such poor and deserving students as would otherwise have been deprived of the benefits of education It provides special training in practical and theoritical agriculture and those sciences which are closely allied to agriculture

The College is situated on a very healthy site which is not only charming but salubrious.

The residential system of the college encourages free and amiable intercourse between the teachers and the taught and is largely responsible for the stimulating atmosphere of the institution. About 80 per cent of the students reside in college hostels.

Adequate attention is given to the physical development of the students. Besides Hockey, Football and Cricket, Indian games are also encouraged. The college owns extensive play grounds

The qualification for admission to the first two courses is the High School Certificate or a certificate of equivalent standing. For the Vernacular Course no special educational qualifications are demanded, but candidates must be able to read and write the Vernacular fluently, preference being given to such as have reached the standard of the Vernacular Final or Middle standard in an English school.

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In order to create an *esprit de corps* among the students free scope is allowed for the establishment of literary and social institutions. Members of the College staff guide the students in these organizations.

The college owns a dispensary of its own and has secured the services of a very efficient Doctor who pays daily visits to its hostels.

The managing committee of the college is a registered body according to Societies Registration Act XXI of 1860.

INSTRUCTIVE STAFF.

1. Shiv Sinha Chawdhry, M.A. (Prev.), Principal.	English, XI.
2. Daryava Singh Chawdhry, M.Sc., LL.B., Vice-Principal.	Physics and Chemistry, XI and IX.
3. Kailashnath Srivastava, M.Sc., L.D.D.	Biology, XI.
4. Radhey Lal Gupta, M.A. ..	Mathematics, X and IX.
5. Charan Singh Chowdhry, M.A...	English, X.
6. Kanhaya Lal, M.A. (Prev.) ..	Economics, XI; History, X and IX.
7. Bhanwar Singh Chawdhry, B.Sc., Ag.	Agriculture, XI and X.
8. Matu Ram Chawdhry, B.Sc. Ag.	Agriculture, IX.
9. Jhamman Singh, B.A., L.T. ..	English, X.
10. Lekh Raj, B.A.	Geography, X and IX.
11. Rampal Singh Chawdhry, B.A., L.T.	English, X.
12. Mathura Prasad Bisarya, F.A., C.T.	English, IX.
13. Maqbul Ahmad Khan, H.P. and Matric.	Persian and Urdu, X and IX.
14. Basdeo Sharma, V.T.C., and Visharad.	Hindi, X and IX.
15. Harprasad Tewari, S. D. M., N. U. T.	Drawing Master.

APPENDIX E.

Minimum qualifications prescribed for Teachers in recognized High Schools and Intermediate Colleges.

1. Principal of Intermediate College .. Master of Arts or Science, with teaching experience of not less than 5 years in all in one or more of the following capacities: —
   - (a) as Head Master of a recognized High School.
   - (b) as Assistant Master of an Intermediate College engaged in teaching the Intermediate section of the institution
   - (c) as a Professor or a Lecturer in a Degree College or a University.

2. Head Master of High School .. B A, L T. or M A., M.Sc. (experience is essential).

3. (a) Assistant Master teaching classes XI and XII in English, Logic, History, Mathematics, Physics, Chemistry or Economics — M A or M Sc preferably also L T.

   (b) Assistant Master teaching Biology to Intermediate classes. — M Sc in Zoology or Botany.

   (c) Assistant Master teaching Civics to Intermediate classes. — (a) M A in History, or (b) M A. in Politics, or (c) M A in Economics with Politics as one of the subjects in B.A

4. Demonstrator for Intermediate classes — B Sc, preferably [illegible] in Science.

5. Sanskrit Teacher for classes XI and XII. —
   - (a) Acharya or Shastri of the Government Sanskrit College, Benares, or of the Benares Hindu University,
     or
   - (b) M A in Sanskrit, or
   - (c) Shastri B.A of the Punjab

6. Arabic Teacher for classes XI and XII.	(1) M.A. in Arabic; *or* (2) (*a*) (i) Fazil (Allahabad); *or* (ii) Fazil (Lucknow University); *or* (iii) Maulvi Fazil (Punjab University). and (*b*) the High School Examination in English conducted by the Board or an equivalent Examination.
7. Persian Teacher for classes XI and XII.	(1) M.A. in Persian; *or* (2) (*a*) (i) Kamil (Allahabad); *or* (ii) Dabir-i-Kamil (Lucknow University); *or* (iii) Munshi Fazil (Punjab University); and (*b*) the High School Examination in English conducted by the Board or an equivalent Examination.
8. Urdu Teacher for classes XI and XII.	(1) M. A. in Urdu as far as possible, *failing* that B. A. with Urdu as an optional subject; *or* (2) (*a*) (i) Kamil (Allahabad); *or* (ii) Dabir-i-Kamil (Lucknow University); *or* (iii) Munshi Fazil (Punjab University) and (*b*) the Intermediate Examination in English only; and (*c*) the Departmental Examination in Advanced Urdu.
9. Hindi Teacher for classes XI and XII.	M.A. in Hindi as far as possible; failing that, B.A. with Hindi as an optional subject.
10. Drawing Teacher for classes XI and XII	Drawing Teachers' Training Certificate of the Government School of Arts and Crafts, Lucknow.*

*The qualifications, experi[illegible] teaching the subject to three [illegible] to 1925, but not possessing the above certificate of the [illegible] of Arts and Crafts, Lucknow, will be considered on their merits.

11.	Head Master of a Middle School	B.A. or B Sc. } preferably trained or experienced.
12.	Assistant Masters in High Sections	B.A. or B Sc. } preferably trained or experienced.
13.	Assistant Masters in Middle and Primary Sections.	Intermediate Certificate or S L. C., C. T.
14.	Science Masters in High or Middle Schools.	B. Sc, preferably trained
15.	General Science Teacher in a High School.	B Sc, who has passed at least the Intermediate Examination in Physics, Chemistry and Biology.
16.	Drawing Masters ..	(a) Teachers' Senior Certificate Examination, Mayo School of Arts, Lahore, *or* (b) Third grade Arts School Examination, Bombay, *or* (c) Final Drawing Teachership Examination, Calcutta, *or* (d) Drawing Teachers' Training Certificate of the Government School of Arts and Crafts, Lucknow.*
17.	Head Pandit or Second Pandit in a High or Middle School.	(a) Complete Madhyama of Benares, *or* (b) Madhyama of the Benares Hindu University, *or* (c) Shastri of the Punjab.
18.	Head Maulvi or Second Maulvi in a High School.	(1) Maulvi, Alim or Fazil (Allahabad); *or* (2) Fazil (Lucknow University), *or* (3) Kamil (Allahabad); *or* (4) Dabir-i-Kamil (Lucknow University).
19.	Urdu teacher in a High School.	(1) B. A with Urdu as an optional subject; *or* (2) (a) (i) Fazil (Allahabad); *or* (ii) Fazil (Lucknow University); *or* (iii) Kamil (Allahabad), *or* (iv) Dabir-i-Kamil Lucknow University); *or* (v) Munshi (Allahabad); and (b) (i) Intermediate Examination with Urdu as an optional subject; *or* (ii) Departmental Examination in Advanced Urdu.

* Drawing Masters in recog- holders of this certificate. - appointments will be eli the holders of this certi- ficate.

20. Hindi Teacher in a High School.	(a) V. T. C. with the Prathma Pariksha of the Benares Sanskrit College, *or* (b) B.A. with Hindi as an optional subject, *or* (c) (1) [illegible] *and* (2) The Intermediate Examination of the [illegible] *or* (d) (1) The Prathma Examination of the Government Sanskrit College, Benares, or the Praveshika Examination of the Benares Hindu University, *and* (2) The departmental advanced Examination in Hindi, *and* (3) The High School Examination of the Board of High School and Intermediate Education or an Examination recognized as equivalent thereto.
21. Commerce Teacher for High School classes.	Commercial Diploma of the Board of High School and Intermediate Education, United Provinces.
22. Commerce Teacher for the Commercial Diploma classes.	M.A., B. Com. or C.D. (for Shorthand and Typewriting).
23. Teacher of Agriculture for classes IX and X.	Intermediate Diploma or higher Agriculture Degree.
24. Teacher for the Agricultural Diploma classes.	(a) Licentiate of Agriculture, *or* (b) Bachelor of Agriculture, *or* (c) B.Sc. in Agriculture, *or* (d) Higher degree in Agriculture of any recognized College.

N.B.—No minimum qualifications are for the present prescribed for the following subjects recognized for the Intermediate Examination. The qualifications of teachers in these subjects will be considered as individual cases of institutions applying for recognition arise :—

(1) Physiology, Hygiene and Child-Study (for girls only);

(2) Geography.

APPENDIX F.

Recognition of the Board's examinations by Indian and foreign Universities for purposes of admission to the Universities

Names of examinations.	Name of the University recognising the examinations	Authority
Intermediate and Intermediate in Commerce and Agriculture Examinations.	Agra University	Section 20 of the Agra University Act, [illegible]
Intermediate and Intermediate in Commerce Examinations.	Allahabad University	Section 37(1) of the Allahabad University Act, [illegible]
Ditto ..	Lucknow University	Registrar's letter no. [illegible], dated September [illegible], 1924
High School, Intermediate and Intermediate in Commerce Examinations	Calcutta University ..	Registrar's letter no. Misc. [illegible] XXIII, dated September [illegible], 1924.
Ditto ..	Punjab University ..	Registrar's letter no. [illegible], dated December [illegible], 1924
High School and Intermediate Examinations.	Nagpur University ..	Registrar's letter no. 1857, dated 9th September 1924 and Ordinance [illegible], rule (5) (i), Chapter VII of the Nagpur University Calendar for 1924-25
Ditto ..	Rangoon University ..	Registrar's letter no. [illegible], dated [illegible] September, 1924
Ditto ..	Benares Hindu University.	Registrar's letter no. 2316 [illegible], dated 22nd December, 1924
Ditto ..	Bombay University ..	Registrar's letters nos. [illegible], dated 6th July, 1925 and [illegible], dated 15th December, 1925
Ditto ..	Aligarh Muslim University.	Registrar's letter no. [illegible], dated 21st March, [illegible]
Intermediate Examination ..	Delhi University ..	Registrar's letter no. [illegible], dated [illegible] January, 1925
Ditto ..	Dacca University ..	Registrar's letter no. [illegible], dated 23rd April, [illegible]
Ditto ..	Cambridge University ..	Registrar's letter no. [illegible], dated [illegible] July, [illegible]
Ditto ..	Scottish Universities Entrance Board.	Secretary's letter, dated 23rd January, [illegible].

APPENDIX G.

List of candidates who have passed the Intermediate Examination of 1931.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
5	Aoudh Bihari Lal Pandey ..	Agra College, Agra..	III
7	Badri Prasad Sharma ..	Ditto ..	II
8	Bhagwan Swarup	Ditto ..	III
9	Bharat Chandra Saxena ..	Ditto ..	III
12	Brij Mohan Lal Vaish ..	Ditto ..	III
13	Chandra Bhan Chaturvedi ..	Ditto ..	III
14	Chandra Mohan Bhatia ..	Ditto ..	III
16	Durga Prasad Paliwal ..	Ditto ..	III
17	Gyanendra Chandra Chaturvedi..	Ditto ..	III
18	Har Dayal Singh Bhatia ..	Ditto ..	III
22	Lalit Mohan Bhatia . ..	Ditto ..	II
25	Mahesh Prasad Bhargava ..	Ditto ..	III
26	Manzoorul Hasan Khan ..	Ditto ..	III
27	Mathura Prasad Paliwal ..	Ditto ..	III
29	Mukat Bihari Lal Kulshreshtha..	Ditto ..	III
31	Narain Lal Gupta . ..	Ditto ..	III
32	Nathi Lal Sharma	Ditto ..	II
33	Navin Chandra Yadav ..	Ditto ..	III
35	* Omkarnath Khandelwal ..	Ditto ..	I
36	Panna Lal	Ditto ..	III
38	Prabhu Shanker Mathur ..	Ditto ..	III
41	Radhe Shiam Kapoor ..	Ditto ..	III
43	Rajendra Nath Goswami ..	Ditto ..	III
44	Ram Das . ..	Ditto ..	II
45	Rama Shanker ..	Ditto ..	III
46	Rup Narayan Chaturvedi ..	Ditto ..	III
47	Sardar Deorao Jadhav ..	Ditto ..	II
49	Sri Nivas Sharma	Ditto ..	III
51	Surya Sinha Yadav ..	Ditto ..	III
52	Swarup Narain Mathur ..	Ditto ..	III
53	Saiyid Kalbe Ali Naqvi ..	Ditto ..	III
56	Tara Chand	Ditto ..	III
57	Yadvendra Pal Singh ..	Ditto ..	III
58	Amar Singh Rawal ..	Ditto ..	II
62	Bageshwar Dayal Dikshit ..	Ditto ..	III
64	Balvir Singh Varma ..	Ditto ..	III

* Distinguished in Sanskrit.

Roll no.	Name of candidate	Name of College	Passed in division.
64	[illegible] Nand ..	Agra College, Agra	III
71	Chandra Bhan Mathur	Ditto	III
73	*[illegible] Lal G[illegible]	Ditto .	II
75	Chhote Lal Jain	Ditto .	II
76	Dharadhar Singh Kashyap	Ditto ..	II
78	Dharampal Varshneya	Ditto ..	III
81	Gokul Chand Barman .	Ditto .	III
82	Gopal Chandra Dwivedi	Ditto ..	II
83	Govind Chandra Pathak .	Ditto ..	II
84	Govind Lal Seth	Ditto ..	III
85	Gulab Ram Dave	Ditto ..	III
88	Hargovind Prasad Gupta .	Ditto ..	III
89	Hem Raj ..	Ditto ..	II
90	Ichha Ram Chaturvedi ..	Ditto ..	II
95	Jagdish Chandra ..	Ditto ..	II
96	Jagdish Prasad	Ditto ..	II
97	Janti Prasad Gupta ..	Ditto ..	II
98	Jawahar Lal Gupta ..	Ditto ..	III
101	Kailash Nath Chaturvedi ..	Ditto ..	III
102	Kamla Charan ..	Ditto ..	III
103	Kamla Kant Chaturvedi ..	Ditto ..	III
105	Khamani Singh Yadava ..	Ditto ..	III
106	Khazanchi Lal . ..	Ditto ..	II
107	Kishan Lall Gupta	Ditto ..	III
109	Kishori Lal Chaturvedi ..	Ditto ..	II
110	Kripa Shankar Garg ..	Ditto ..	II
111	Krishna Chandra Mehrish ..	Ditto ..	III
113	Krishna Gopal Kapoor ..	Ditto ..	III
114	Krishna Kumar	Ditto ..	III
115	Kul Bhushan Chandra Sharma ..	Ditto ..	II
116	Lakshmi Datt Joshi ..	Ditto ..	III
117	Lalloo Prasad Bhargava ..	Ditto ..	II
119	Madhava Singh Chauhan ..	Ditto ..	III
123	*Manohar Singh Murdia* ..	*Ditto* ..	*II*
129	Onkar Prasad Srivastava ..	Ditto ..	III
130	Pandurang Nilkanth Deobhakta..	Ditto ..	II
132	Piaray Lal Agarwal	Ditto ..	III
133	Prakash Chandra Tiwari ..	Ditto ..	III
137	Radhe Prasad Kapoor ..	Ditto ..	II
141	Ram Bahadur Saxena ..	Ditto ..	III

* Distinguished in Mathematics.

Roll no.	Name of candidate.	Name of College.	Passed in division.
142	Ram Charan Lal	Agra College, Agra	II
143	Ram Gopal Kacker	Ditto ..	III
144	Rama Murti Singh	Ditto ..	II
145	Ram Narain Agarwala ..	Ditto ..	II
149	Sant Prasad Capoor	Ditto ..	II
150	Saraswati Prashad	Ditto ..	III
151	Sardari Lal	Ditto ..	II
157	Sher Singh Yadava	Ditto ..	III
161	Sudarshan Singh Gupta ..	Ditto ..	III
165	Suresh Chandra Misra ..	Ditto ..	III
166	Surya Pal Singh Yadava ..	Ditto ..	II
167	Saiyid Abdul Moid . ..	Ditto ..	II
171	Uma Charan Dube . ..	Ditto ..	II

Additional subject.

Roll no.	Name of candidate.	Name of College.	Passed in division.
173	Ram Chandra Mathur ..	Agra College, Agra..	Passed.
174	Ayodhya Prasad Sharma ..	St. John's College, Agra.	III
177	Bhawani Shanker	Ditto ..	III
178	Brahma Nand Saxena ..	Ditto ..	II
180	Chandi Prasad Varma ..	Ditto ..	II
183	Faiyaz Husain	Ditto ..	II
184	Faiz Ali Khan	Ditto ..	II
185	Felix Llewelyn Sheldon ..	Ditto ..	II
187	Gopi Lal Gupta	Ditto ..	III
188	Hari Har Prasad Nigam ..	Ditto ..	III
190	Julius Reynolds Dharan Sewak ..	Ditto ..	III
191	Khuaja Riyasat Husain ..	Ditto ..	III
192	Krishna Pershad Bansal ..	Ditto ..	II
193	Krishna Singh	Ditto ..	II
194	Kunwar Surendra Bahadur Singh Bhadaria.	Ditto ..	II
195	Laxmi Narain Gupta ..	Ditto ..	III
196	Mahavir Prasad Agarwala ..	Ditto ..	II
199	Muhibb Ahmad Ansari ..	Ditto ..	II
200	Nathi Lal Upadhyay ..	Ditto ..	II
202	Parabhu Dayal Lavania ..	Ditto ..	II
203	Prakash Behari Mathur ..	Ditto ..	III
204	Raghbir Chand Batta ..	Ditto ..	III
205	Ram Krishna Agrawal ..	Ditto ..	III
206	Rishabh Das Jain ..	Ditto ..	II
207	Saiyid Ali Abbas Zaidi ..	Ditto ..	III

Roll No.	Name of candidate	Name of College.	Passed in division.
205	Saiyid Haider Husain Rizvi	St. John's College, Agra.	III
[illegible]	Saiyid Ihsan Ahmad	Ditto ..	III
210	Saiyid Muhammad Hamid .	Ditto ..	III
213	Sham Lal Sharma .. .	Ditto ..	II
214	Shiva Shanker Sarma .	Ditto ..	III
217	Ahmad [illegible] ..	Ditto ..	III
223	Baba Ram Misra ..	Ditto ..	III
224	Basdeo Prasad Agarwal .	Ditto ..	II
226	Chhabil Das A. Mahadevia ..	Ditto ..	III
227	Edwin Squire ..	Ditto ..	II
231	Gokul Nath Singh Sarin ..	Ditto ..	II
233	Harendra Shanker Mathur ..	Ditto ..	II
234	Hari Shanker	Ditto ..	III
235	*Harish Chandra Gupta ..	Ditto ..	II
236	Kartar Singh	Ditto ..	III
238	Lalit Mohan Bhatnagar ..	Ditto ..	III
239	Mahmood Ali Khan ..	Ditto ..	II
241	Mohammad Abul Faruqi ..	Ditto ..	III
242	Mohammad Wahaj ud-din ..	Ditto ..	II
247	Muhammad Mustafa Khan ..	Ditto ..	II
249	Oudh Behari Lal Saxena ..	Ditto ..	III
250	Phool Chand Sharma ..	Ditto ..	III
251	Raghubar Chowdhury ..	Ditto ..	III
255	Saiyid Mehdi Husain Naqvi ..	Ditto ..	II
261	*Stanley Arnold Thomas* ..	Ditto ..	II

Compartmental under Regulation 18, Chapter XII of the Board's Regulations.

262	Triluk Chand	St. John's College, Agra.	Passed.
263	Alopi Narayan Dikshit ..	Radhasoami Educational Institute, Dayalbagh, Agra.	III
265	† *Aryendra Sharma*	Ditto ..	I
266	Balkrishna Rai Srivastava ..	Ditto ..	III
269	Bhagat Saran	Ditto ..	III
270	Bharat Singh Mathur ..	Ditto ..	III
272	Brijraj Singh Srivastava ..	Ditto ..	III

* Distinguished in Mathematics.

† Distinguished in Sanskrit and Modern History.

Roll no.	Name of candidate.	Name of College.	Passed in division.
273	Debi Prasad Bhargava ..	Radhasoami Educational Institute, Dayalbagh, Agra.	II
275	Hukam Raj L. Rai (alias Hukam Raj Mathur.)	Ditto ..	II
276	Jaswant Singh Arora ..	Ditto ..	III
278	Kripa Shankar Mathur ..	Ditto ..	III
279	Madan Mohan Lal Shetty ..	Ditto ..	III
282	Rama Shankar Khanna ..	Ditto ..	III
283	Ram Dulare Tiwari	Ditto ..	II
284	Rameshwar Das Gupta ..	Ditto ..	III
285	Ratan Kishore Johry ..	Ditto ..	III
287	Sheo Raj Singh Srivastava ..	Ditto ..	III
288	Tribhuwan Nath Mahendra ..	Ditto ..	II
290	Amba Saran Saxena Raj ..	Ditto ..	II
291	Anand Saran Sinha	Ditto ..	II
292	Anand Saran Srivastava ..	Ditto ..	III
294	* Anand Mohan Kulshreshta ..	Ditto ..	II
295	Brij Nandan Sahai	Ditto ..	II
296	Dur Darshak	Ditto ..	II
298	Gurdial Singh	Ditto ..	III
299	Gursarup Gupta	Ditto ..	II
304	Mahesh Swarup Saxena ..	Ditto ..	II
306	Muhammad Abdul Hafiz Nawab	Ditto ..	III
308	Nemi Chand Goyal	Ditto ..	II
309	Pallapotu Govind Rao ..	Ditto ..	III
310	Purna Nand H. Bhanot ..	Ditto ..	I
311	Raghubans Narayan Mathur ..	Ditto ..	II
312	Rudra Prakash Kapil ..	Ditto ..	II
313	Saran Bahadur Nigam ..	Ditto ..	II
314	Sarva Daman	Ditto ..	II
315	Satgur Saran	Ditto ..	III
316	Shibbo alias Shiv Shankar Sharma	Ditto ..	II
317	Vijai Prakash	Ditto ..	III
318	Aditya Nath	Balwant Rajput Intermediate College, Agra.	II
319	Bhopal Singh	Ditto ..	III
320	Daksh Singh Gahlaut ..	Ditto ..	II
321	Durgapal Singh Yadav ..	Ditto ..	III
322	Ganga Prasad Saraswat ..	Ditto ..	III

* Distinguished in Chemistry.

Roll no.	Name of candidate.	Name of College.	Passed in division.
323	*Gauri Prasad Bagchi	Balwant Rajput Intermediate College, Agra.	I
324	Har Saran Singh Rawal	Ditto	III
325	Himmat Singh Potsdar	Ditto	III
326	Khushipal Singh Yadava	Ditto	III
327	Raghunandan Saraswat	Ditto	III
330	Rajan Lal Gautam	Ditto	III
333	Swarup Singh Yadava	Ditto	III
334	Tara Singh Yadava	Ditto	II
337	Avinash Chandra Bhatnagar	Dharamsamaj Intermediate College, Aligarh.	III
341	Devaki Nandan	Ditto	III
342	Doongar Mal Gupta	Ditto	II
343	Dwarka Prasad Sharma	Ditto	III
344	Ganga Saran	Ditto	III
345	Girraj Bihari Lal Mathur	Ditto	III
350	Harish Prakash Saxena	Ditto	III
351	Jiva Lal Sharma	Ditto	III
352	†Kanchi Lal Saxena	Ditto	II
353	Kishori Lal Mital	Ditto	III
354	Ladli Mohan Mathur	Ditto	III
356	Mahesh Chandra Maheshwari	Ditto	II
359	Nathi Mal	Ditto	III
360	Nawab Singh Chauhan	Ditto	III
363	Panna Lal Gupta	Ditto	III
365	Raghuraj Singh	Ditto	III
366	Rajendra Lal Nagar	Ditto	III
369	Roshan Lal	Ditto	III
370	Shiva Chandra Sahai	Ditto	II
373	Shri Gopal	Ditto	III
374	Sohan Lal Dantre	Ditto	III
376	Yad Ram Gupta	Ditto	III
377	Abdul Jabbar Khan	Ewing Christian College, Allahabad.	III
378	Abdul Rashid Lari	Ditto	II
380	Ahmad Mobin Khan	Ditto	III
383	Amar Nath Srivastava	Ditto	III

* *Distinguished* in Sanskrit.

† Distinguished in Mathematics.

Roll no	Name of candidate.	Name of College.	Passed in division.
384	Amarandra Kumar Biswas ..	Ewing Christian College, Allahabad.	II
386	Arbind Pratab Singh ..	Ditto ..	II
390	Bhagwan Bux Singh.. ..	Ditto ..	III
395	Charan Singh Bhandari ..	Ditto ..	II
399	Eric Clarence Mowatt ..	Ditto ..	III
400	Fateh Chand Srivastava ..	Ditto ..	III
401	Farkhund Ali Kidwai ..	Ditto ..	III
402	Ganpat Balwant Ghatge ..	Ditto ..	III
404	Gauri Shankar Lal Sah ..	Ditto ..	III
405	Gauri Shankar Tandan ..	Ditto ..	III
406	Ghulam Ghaus Farid ..	Ditto ..	II
407	Ghulam Khwaja Kidwai ..	Ditto ..	II
409	Gulab Shankar Shukla ..	Ditto ..	III
410	Guru Sewak Lal Srivastava ..	Ditto ..	III
412	Haider Abbas	Ditto ..	III
416	Hari Nandan Varma ..	Ditto ..	III
417	Herbert Franklin Elias ..	Ditto ..	III
419	Indra Pal Singh Tomara ..	Ditto ..	II
420	Jagat Tarain Tewari.. ..	Ditto ..	III
421	Jagdish Prasad Agarwala ..	Ditto ..	III
422	Jagmohan Nath Srivastava ..	Ditto ..	III
425	Jyoti Prakash Varma ..	Ditto ..	III
426	Kali Charan	Ditto ..	III
427	Kamta Prasad Shukla ..	Ditto ..	III
428	Kashi Nath Singhal	Ditto ..	III
429	Kedar Nath Agarwal ..	Ditto ..	III
432	Kunwar Kanahaiya Lal ..	Ditto ..	III
436	Maheshwar Nath Mittra ..	Ditto ..	III
437	Man Bahal Singh . ..	Ditto ..	III
438	Mohammad Abdul Majid Khan ..	Ditto ..	II
443	Mool Chandra Jain	Ditto ..	III
444	Moti Lal Srivastava	Ditto ..	III
445	Mufti Asadullah Usmani ..	Ditto ..	III
449	Nasim Ahmad	Ditto ..	III
450	Nathamil Christopher Walter Singha.	Ditto ..	II
451	Nisar Ahmad	Ditto ..	III
452	Orais Ahmad	Ditto ..	III
453	Parmeshwari Dayal ..	Ditto ..	III
455	Prayag Narain Mehrotra ..	Ditto ..	III
456	Prescott Kenneth Roy ..	Ditto ..	III

Roll No.	Name of candidate.	Name of College.	Passed in division
457	Priya Brata Singh	Ewing Christian College, Allahabad.	III
458	Pyare Mohan Lal Srivastava	Ditto	III
462	Ram Sewak Sarva	Ditto	III
469	Raza Mohammad	Ditto	III
470	Robindra Kumar Banerji	Ditto	III
473	Saiyid Muhammad Zahid Naqvi	Ditto	III
474	Saiyid Muhammad Nasir	Ditto	III
477	Saiyid Saad Ahmad Hanafi	Ditto	II
478	Saiyid Zafar Ali	Ditto	II
479	Saiyid Zharul Hasan Naqvi	Ditto	III
481	Syed Amul Alam	Ditto	III
482	Samuel Sri Nath Lal	Ditto	II
485	Satya Deo Singh Gautam	Ditto	III
487	Shambhu Nath Dube	Ditto	III
490	Shiva Kumar Saran Sinha	Ditto	III
491	Shiva Nath Pandey	Ditto	III
493	Shri Narayan Singh	Ditto	II
494	Shyama Charan Tiwari	Ditto	III
497	Surendra Narayan Dwivedi	Ditto	II
498	Surendra Nath Pande	Ditto	III
500	Tilak Dhari Singh Shrivet	Ditto	III
503	Tribeni Sahai Srivastava "Zahid"	Ditto	III
504	Tribhuwan Nath Misra	Ditto	III
505	Vakil Ahmad Abbasi	Ditto	III
506	Valentine Payne Shaw	Ditto	III
507	Vindeshwari Prasad	Ditto	III
509	Zia Uddin Ahmad Faruqi	Ditto	III
510	Afsar Ali Khan	Ditto	II
511	Albert Michael D'Rozario	Ditto	II
515	Bankim Chandra Banerji	Ditto	III
516	Banwari Lall Tandon	Ditto	III
518	Bhutnath Chatterji	Ditto	III
520	Bibhuty Bhusan Mukerji	Ditto	III
521	Bishambhar Dayal	Ditto	III
522	Bisheshwar Dayal Garg	Ditto	II
523	Brij Krishna Kaul	Ditto	III
524	Brij Raj Saran	Ditto	II
525	Chandrika Prasad Dubey	Ditto	III
527	Didar Singh	Ditto	II
530	Girdhari Lal Shah	Ditto	II
531	Gokaran Prasad Gupta	Ditto	II

Roll no.	Name of candidate.	Name of College.	Passed in division.
532	Gokul Das Bhargava ..	Ewing Christian College, Allahabad.	II
533	Gopal Chandra Malavia ..	Ditto ..	III
534	Gopi Nath Kapur	Ditto ..	III
535	Govind Paithankar	Ditto ..	II
539	Harold Archibald Harrington Phillips.	Ditto ..	II
540	Harold Moultrie David ..	Ditto ..	II
541	* Hidayat Husain	Ditto ..	I
544	Hirdaya Narayan Agrawala ..	Ditto ..	III
545	Hridaya Shanker Ashthana ..	Ditto ..	III
546	Imtiaz Ali Khan Durrani ..	Ditto ..	III
547	Indra Dayal Seth	Ditto ..	II
549	Jagat Bihari Lal Mathur ..	Ditto ..	II
550	Jagdish Saran Agarwala ..	Ditto ..	III
551	Jangi Lal Srivastava ..	Ditto ..	II
552	Janki Nandan Bhargava ..	Ditto ..	III
553	Jhunni Lal Varma	Ditto ..	III
554	Jogesh Chandra Banerji ..	Ditto ..	III
555	Joseph Francis D'Souza ..	Ditto ..	II
556	Kalyan Chandra Srivastava ..	Ditto ..	II
557	Kamla Prasad	Ditto ..	III
558	Kanhaiya Lal Sharma ..	Ditto ..	III
559	† Kunti Mohan Garga ..	Ditto ..	I
560	Kripa Shankar Misra	Ditto ..	III
561	Krishna Bahadur Srivastava ..	Ditto ..	III
562	† Krishna Chandra Agarwal ..	Ditto ..	I
563	Krishna Swarup Mathur ..	Ditto ..	II
564	Kushal Pal Singh	Ditto ..	III
568	Lalta Prasad Bhargava ..	Ditto ..	III
569	Leslie Bernard Sadgun ..	Ditto ..	III
570	Madhukar Anandrao Karnik ..	Ditto ..	II
572	Man Mohan Krishna Gurtu ..	Ditto ..	II
573	Mirza Naim Beg	Ditto ..	III
574	Muhammad Hifazat Karim Quraishy.	Ditto ..	II
575	Muhammad Munawar Ali Khan..	Ditto ..	III
577	Mukut Bihari Agarwala ..	Ditto ..	II
579	Nariman Erachshah Cooper ..	Ditto ..	II

* Distinguished in Physics.

† Distinguished in Mathematics and Chemistry.

Roll no.	Name of candidate.	Name of College	Passed in division.
582	Prabhu Ram Tiwari	Ewing Christian College, Allahabad.	II
586	Prem Bishli	Ditto ..	III
587	* Prithwi Raj Suri	Ditto ..	II
588	Qaisar Beg	Ditto ..	II
590	Raghvendra Prasad Singh Tiwari	Ditto ..	III
591	Raja Ram Agarwal	Ditto ..	III
592	† Ram Chandra Lal	Ditto ..	I
593	Ram Narain	Ditto ..	II
596	‡ Ram Sewak Rai	Ditto ..	I
603	Sham Sundar Saksena ..	Ditto ..	II
605	Shiva Kumar Singh . ..	Ditto ..	III
606	Shiva Nath Ram Mullick ..	Ditto ..	III
608	Sia Ram Saxena	Ditto ..	III
609	Sailendra Nath Ghosal ..	Ditto ..	III
611	Sudhir Chandra Mukerji ..	Ditto ..	II
613	Syed Mazahir Husain ..	Ditto ..	II
614	* Vinayak Narayan Joshi ..	Ditto ..	II

Compartmental (under Regulation 18, Chapter XII of the Board's Regulations).

Roll no.	Name of candidate.	Name of College	
616	Babu Lall Gupta	Ewing Christian College, Allahabad.	Passed.
617	Lakhpat Singh	Ditto ..	Passed.
618	Ram Narain Shukla ..	Ditto ..	Passed.
619	S. Aley Muhammad Naqvi, Mehr Jaisi.	Ditto ..	Passed.

Additional subject.

Roll no.	Name of candidate.	Name of College	
620	Kesho Krishna Date.. ..	Ewing Christian College, Allahabad.	Passed.
624	Badri Prasad Srivastava ..	K. P. Intermediate College, Allahabad.	III
625	Balram Srivastava	Ditto ..	III
627	Brij Kishor Shukla	Ditto ..	III
630	Chauharja Lal Srivastava ..	Ditto ..	III
631	Daya Shanker Saksena ..	Ditto ..	III
633	Ganesh Prasad	Ditto ..	III
634	Ganga Dhar Chaturvedi ..	Ditto ..	III

*Distinguished in Chemistry.

† Distinguished in Mathematics and Chemistry.

‡ Distinguished in Mathematics.

Roll no.	Name of candidate.	Name of College.	Passed in division.
635	Gokaran Nath Sinha	K. P. Intermediate College, Allahabad.	III
637	Govind Saran	Ditto	III
641	Jaipal Singh	Ditto	III
643	Kamta Prasad	Ditto	III
644	Kapildeo Rai	Ditto	III
646	Krishna Behari	Ditto	II
647	Krishna Nandan Prasad	Ditto	III
648	Manohar Prasad Srivastava	Ditto	III
649	Mata Prasad Gour	Ditto	II
650	Moti Lal Gupta	Ditto	III
653	Nagendra Pratap Singh	Ditto	III
656	Radha Raman Jaiswal	Ditto	III
657	Raghubir Sharan Varma	Ditto	III
661	Ram Raj Singh	Ditto	III
663	Satyadeo Sahai	Ditto	III
665	Sarda Charan Sinha	Ditto	III
666	Shyam Kishore Lal Sinha	Ditto	II
667	Suraj Prasad Srivastava	Ditto	III
668	Tirth Raj Misra	Ditto	III
669	Tribeni Sahai	Ditto	II
670	Abhaya Pada Banerji	Ditto	III
673	*Alakh Sunder Prasad	Ditto	II
674	Anand Swarup Mathur	Ditto	III
676	Bajrang Bahadur Chaudhari	Ditto	II
678	Balraj Singh	Ditto	III
679	Bhadreshwar Prasad Singh	Ditto	III
680	Brahma Swarup	Ditto	III
681	Brijesh Narain Bhatnagar	Ditto	II
684	Gopal Krishn Misra	Ditto	II
685	Himmat Rai	Ditto	II
686	Jagdish Chandra Mathur	Ditto	III
687	Jai Prakash Sharma	Ditto	III
691	Kunwar Brij Kishore	Ditto	III
693	Mahandra Nath Patnaik	Ditto	III
696	Munna Lal Verma	Ditto	III
698	Nawal Kishore Srivastava	Ditto	II
699	Prag Narayan Saxena	Ditto	II
700	Prem Behari	Ditto	III
701	Purn Masi Singh	Ditto	I

* Distinguished in Mathematics.

Roll no.	Name of candidate.	Name of College.	Passed in division.
702	Rajeshwar Lal ..	.. K. P. Intermediate College, Allahabad.	II
703	Ram Behari ..	.. Ditto ..	III
704	Ram Khilawan Lal ..	.. Ditto ..	III
706	Sardar Behari Lal Mathur	.. Ditto ..	II
707	Shashi Kamta Verma	.. Ditto ..	II
709	Shiva Shankar Misra	.. Ditto ..	II
710	Shri Nath Khare ..	.. Ditto ..	II
711	Shyama Charan Ghosh	.. Ditto ..	III
713	Sudhir Kumar Gupta	.. Ditto ..	III

Under Regulation 18, Chapter XII of the Board's Regulations.

Roll no.	Name of candidate.	Name of College.	Passed in division.
714	Surendra Nath Srivastava	.. K. P. Intermediate College, Allahabad.	Passed.
715	Balai Charan Rai .	.. Anglo-Bengali Intermediate College, Allahabad.	II
717	Harendra Kumar Mukherji	.. Ditto ..	III
718	Krishna Chandra Malaviya	.. Ditto ..	II
719	Krishna Mohan ..	.. Ditto ..	III
720	Madan Mohan Banerjee	.. Ditto ..	III
722	Mohan Swarup Mathur	.. Ditto ..	III
723	Narendra Nath Bhattacharya	.. Ditto ..	II
724	*Nripati Prasad Bagchi*	.. *Ditto* ..	III
726	Shiam Manohar Misra	.. Ditto ..	II
729	Bibhuti Bhushan Vajpai	.. Ditto ..	II

Under Regulation 18, Chapter XII of the Board's Regulations.

Roll no.	Name of candidate.	Name of College.	Passed in division.
730	Aditya Kishore Varma	.. Anglo-Bengali Intermediate College, Allahabad.	Passed.
731	Abdul Bari ..	.. Government Intermediate College, Allahabad.	II
732	Ayodhia Prasad Misra	.. Ditto ..	I
733	Balaghat Husain Rizvi	.. Ditto ..	II
734	Bishwa Nath Saran Misra	.. Ditto ..	III
735	Brij Raj Singh Gautama	.. Ditto ..	III
736	Chandra Bhushan Dube	.. Ditto ..	III
737	Chandra Krishna Mathur	.. Ditto ..	II
738	Chandra Shekhar Pant	.. Ditto ..	II
739	Chirravoori Bala Krishna Rao	.. Ditto ..	I
741	Gopi Mohan Sinha ..	.. Ditto ..	III
742	Jagdish Prasad Pandya	.. Ditto ..	III

Roll no.	Name of candidate.	Name of College.	Passed in division.
743	Jai Raj Singh Gautama	Government Intermediate College, Allahabad.	II
744	Kashyap Krishna Sharma ..	Ditto ..	I
745	* Kedar Datta Pande ..	Ditto ..	II
746	Kunj Bihari Srivastava ..	Ditto ..	II
747	Kunj Bihari Lal Joshi ..	Ditto ..	III
748	Lionel Julian James ..	Ditto ..	II
749	Mahabir Prasad Srivastava ..	Ditto ..	II
750	Mahmud Hasan Khan ..	Ditto ..	II
751	Mahmud Raza	Ditto ..	II
752	Mirza Niyaz Ahmad Beg ..	Ditto ..	II
753	Mohib-ullah	Ditto ..	II
754	Muhammad Fasih-ullah Khan	Ditto ..	II
755	Muhammad Ishaq Faruqi ..	Ditto ..	III
757	Nawal Kishore Srivastava ..	Ditto ..	II
758	Onkar Nath Mishra	Ditto ..	II
759	Oudh Bihari Lal	Ditto ..	II
760	Prem Narain Singh	Ditto ..	II
761	Radhe Shyam	Ditto ..	III
762	Raghunath Prasad Tripathi ..	Ditto ..	III
763	Rajnath Agarwala	Ditto ..	II
764	Ratnakar Singh	Ditto ..	III
765	Saiyid Mohammad Hadi ..	Ditto ..	III
766	Saiyid Rafiq Husain ..	Ditto ..	II
767	Shambhu Prasad Srivastava ..	Ditto ..	III
768	Shiva Murat Prakash ..	Ditto ..	III
774	Dilip Kumar Ghosh	Ditto ..	II
775	Donald Noline Kumar Banerji ..	Ditto ..	II
778	Harendra Prasada Asthana ..	Ditto ..	III
779	Hari Shankar Varma ..	Ditto ..	III
780	Harish Chandra Sarin ..	Ditto ..	II
781	Herambo Kumar Mukerji ..	Ditto ..	II
783	Kailash Narain Kakkar ..	Ditto ..	III
784	Kailash Nath Srivastava ..	Ditto ..	II
785	Kamta Narain Tandon ..	Ditto ..	III
786	Lakshman Prasad Khanna ..	Ditto ..	II
787	Nirmal Ram Mehta	Ditto ..	II
788	Parmeshwar Narayan Haksar ..	Ditto ..	II
790	Prahlad Narain Mathur ..	Ditto ..	II

* Distinguished in Sanskrit.

Roll no.	Name of candidate.	Name of College.	Passed in division.
791	* Ragubir Chand Soni ..	Government Intermediate College, Allahabad	II
792	* Raj Narain Lal Srivastava ..	Ditto ..	I
793	Ramanand Gairola ..	Ditto ..	II
794	Ramesh Chandra Pande ..	Ditto ..	III
795	Rameshwar Prasad .. .	Ditto ..	II
796	Saiyid Aziz-ud-din . ..	Ditto	II
797	Satish Chandra Khare ..	Ditto ..	II
798	Satya Deo Malaviya ..	Ditto ..	II
799	Surya Kumar Bharatiya ..	Ditto ..	II
801	Uma Charan .	Ditto ..	II
802	Zia-ur-Rahman ..	Ditto ..	III
803	(Miss) Anupvati Dube	Crosthwaite Girls' College, Allahabad.	II
804	(Miss) Veronica Irene Shaw ..	Ditto ..	II
805	(Miss) Bibhawati Millicent Rawani	Ditto ..	III
807	(Miss) Helen Victoria Paterson ..	Ditto ..	III
808	(Miss) Indira Sanyal ..	Ditto ..	III
810	(Miss) Mabel Violet Josefson ..	Ditto ..	II
811	(Miss) Manorama K Mehta ..	Ditto ..	II
812	(Miss) Molina Ghosh ..	Ditto ..	II
813	(Miss) Rosie Effie Falls ..	Ditto ..	II
814	(Miss) Saraswati Mathur ..	Ditto ..	II
815	(Mrs) Shanti Devi Srivastava ..	Ditto ..	II
816	(Miss) Soami Dei Saluja ..	Ditto ..	III
817	(Miss) Usha Banerji	Ditto ..	II
818	(Miss) Vidyavati Mathur ..	Ditto ..	II
819	(Miss) Vimala Herleker ..	Ditto ..	II
820	Bhagwat Singh Negi ..	Government Intermediate College, Almora.	III
821	Bijaimal Singh Negi ..	Ditto ..	III
823	Dhani Lal Sah	Ditto ..	II
824	(Miss) Edith Rawat	Ditto ..	II
825	Hayat Singh Kalakoti ..	Ditto ..	III
826	Hira Ballabh Joshi	Ditto ..	II
827	Ishwari Datt Joshi ..	Ditto ..	III
828	Ishwari Lall Verma	Ditto ..	III
830	Kailas Chandra Joshi ..	Ditto ..	II
832	Lakshmi Chandra Joshi ..	Ditto ..	III

* Distinguished in Mathematics.

Roll no.	Name of candidate.	Name of College.	Passed in division.
743	Jai Raj Singh Gautama	Government Intermediate College, Allahabad.	II
744	Kashyap Krishna Sharma ..	Ditto ..	I
745	* Kedar Datta Pande ..	Ditto ..	II
746	Kunj Bihari Srivastava ..	Ditto ..	II
747	Kunj Bihari Lal Joshi ..	Ditto ..	III
748	Lionel Julian James ..	Ditto ..	II
749	Mahabir Prasad Srivastava ..	Ditto ..	II
750	Mahmud Hasan Khan ..	Ditto ..	II
751	Mahmud Raza	Ditto ..	II
752	Mirza Niyaz Ahmad Beg ..	Ditto ..	II
753	Mohib-ullah	Ditto ..	II
754	Muhammad Fasih-ullah Khan	Ditto ..	II
755	Muhammad Ishaq Faruqi ..	Ditto ..	III
757	Nawal Kishore Srivastava ..	Ditto ..	II
758	Onkar Nath Mishra	Ditto ..	II
759	Oudh Bihari Lal	Ditto ..	II
760	Prem Narain Singh	Ditto ..	II
761	Radhe Shyam	Ditto ..	III
762	Raghunath Prasad Tripathi ..	Ditto ..	III
763	Rajnath Agarwala	Ditto ..	II
764	Ratnakar Singh	Ditto ..	III
765	Saiyid Mohammad Hadi ..	Ditto ..	III
766	Saiyid Rafiq Husain ..	Ditto ..	II
767	Shambhu Prasad Srivastava ..	Ditto ..	III
768	Shiva Murat Prakash ..	Ditto ..	III
774	Dilip Kumar Ghosh	Ditto ..	II
775	Donald Noline Kumar Banerji ..	Ditto ..	II
778	Harendra Prasada Asthana ..	Ditto ..	III
779	Hari Shankar Varma ..	Ditto ..	III
780	Harish Chandra Sarin ..	Ditto ..	II
781	Herambo Kumar Mukerji ..	Ditto ..	II
783	Kailash Narain Kakkar ..	Ditto ..	III
784	Kailash Nath Srivastava ..	Ditto ..	II
785	Kamta Narain Tandon ..	Ditto ..	III
786	Lakshman Prasad Khanna ..	Ditto ..	II
787	Nirmal Ram Mehta	Ditto ..	II
788	Parmeshwar Narayan Haksar ..	Ditto ..	II
790	Prahlad Narain Mathur ..	Ditto ..	II

* Distinguished in Sanskrit.

Roll No.	Name of candidate.	Name of College	Passed in division.
791	* Ragubir Chand Soni ..	Government Intermediate College, Allahabad	II
792	* Raj Narain Lal Srivastava ..	Ditto ..	I
793	Ramanand Gairola ..	Ditto ..	II
794	Ramesh Chandra Pande ..	Ditto ..	III
795	Rameshwar Prasad .. .	Ditto ..	II
796	Saiyid Aziz-ud-din ..	Ditto ..	II
797	Satish Chandra Khare .	Ditto ..	II
798	Satya Deo Malaviya .	Ditto ..	II
799	*Surya Kumar Bharatiya* ..	Ditto ..	II
801	Uma Charan	Ditto ..	II
802	Zia-ur-Rahman . ..	*Ditto* ..	III
803	(Miss) Anupvati Dube	Crosthwaite Girls' College, Allahabad.	II
804	(Miss) Veronica Irene Shaw ..	Ditto ..	II
805	(Miss) Bibhawati Millicent Rawani	Ditto ..	III
807	*(Miss) Helen Victoria Paterson* ..	*Ditto* ..	III
808	(Miss) Indira Sanyal ..	Ditto ..	III
810	(Miss) Mabel Violet Josefson ..	Ditto ..	*II*
811	(Miss) Manorama K. Mehta ..	Ditto ..	II
812	(Miss) Molina Ghosh ..	Ditto ..	II
813	(Miss) Rosie Effie Falls ..	Ditto ..	II
814	(Miss) Sarswati Mathur ..	Ditto ..	II
815	*(Mrs.) Shanti Devi Srivastava* ..	Ditto ..	*II*
816	(Miss) Soami Dei Saluja ..	Ditto ..	III
817	(Miss) Usha Banerji	*Ditto* ..	II
818	(Miss) Vidyavati Mathur ..	Ditto ..	II
819	(Miss) Vimala Herleker ..	Ditto ..	II
820	Bhagwat Singh Negi ..	Government Intermediate College, Almora.	III
821	Bijaimal Singh Negi ..	Ditto ..	III
823	Dhani Lal Sah	Ditto ..	II
824	(Miss) Edith Rawat	Ditto ..	II
825	Hayat Singh Kalakoti ..	Ditto ..	III
826	Hira Ballabh Joshi	Ditto ..	II
827	Ishwari Datt Joshi ..	Ditto ..	III
828	Ishwari Lall Verma	Ditto ..	III
830	Kailas Chandra Joshi ..	Ditto ..	II
832	*Lakshmi Chandra Joshi* ..	*Ditto* ..	III *

* Distinguished in Mathematics.

Roll no.	Name of candidate.	Name of College.	Passed in division.
953	Surendra Singh Nirvan ..	Bareilly College, Bareilly.	III
954	Sushil Kumar Chaubey ..	Ditto ..	II
955	Syed Muhammad Ibrahim ..	Ditto ..	III
956	Tej Bahadur Madhwar ..	Ditto ..	III
957	Yubal Sinclair Larkin ..	Ditto ..	II
958	Abdul Majid Khan ..	Ditto ..	II
959	Abdul Wahid	Ditto .	III
961	Atma Prakash Bhatnagar ..	Ditto ..	II
962	Basu Dev Prasad	Ditto ..	II
965	Durga Prasad Varma ..	Ditto ..	III
966	Fateh Bahadur	Ditto ..	III
969	Hamid Ahmad Khan ..	Ditto ..	III
970	Harish Chandra Saksena ..	Ditto ..	II
973	Jagdish Bahadur Beckaya ..	Ditto ..	II
975	Karrar Husain . ..	Ditto ..	II
977	Krishna Sahai Saxena ..	Ditto .	III
982	Murari Lal	Ditto ..	II
985	Pirthi Nath	Ditto ..	II
986	Priya Nath	Ditto ..	III
987	Probodh Kumar Chatterjee ..	Ditto ..	II
988	Raghunandan Prasad ..	Ditto ..	III
990	Ramanuj Dayal Agarwala ..	Ditto ..	I
991	Ram Kishore Agrawala ..	Ditto ..	II
994	Riaz-uddin Ahmad Zubaery ..	Ditto ..	III
995	Razi Uddin Ahmad . ..	Ditto ..	II
996	Sat Narain Sahai . ..	Ditto ..	III
998	Sayeed Ullah Khan . ..	Ditto ..	II
1000	Shanker Lal Gupta ..	Ditto ..	II
1005	Abdul Bari . ..	Queen's Intermediate College, Benares.	III
1006	Amulya Chandra Bhattacharjee	Ditto ..	III
1008	Bishwa Nath Prasad Mathur ..	Ditto ..	III
1009	Braj Narayan Chaube . ..	Ditto ..	III
1013	Deva Sahaya Tewari . ..	Ditto ..	II
1014	Biwan Ranjit Rai	Ditto ..	II
1016	Durgesh Shankar Mathur . ..	Ditto ..	III
1017	Gauri Shankar Singh ..	Ditto ..	III
1019	Jiwanji Mehta	Ditto ..	III
1021	Kalp Nath Chaube ..	Ditto ..	III
1023	Mathura Das	Ditto ..	III
1024	Muhammad Ainul Huda	Ditto ..	III

Roll no	Name of candidate.		Name of College.		Passed in division.
1025	Muhammad Jalil	..	Queen's Intermediate College, Benares.		III
1027	Nitya Nand Mangesh Wagh	..	Ditto	..	II
1028	Prasad Das Chatterjee	..	Ditto	..	III
1029	Pratap Singh Srivastava	..	Ditto	..	II
1030	Raghunandan Rai	..	Ditto	..	III
1031	Rajendra Lal	..	Ditto	..	II
1032	Raj Narain Shukla	..	Ditto	..	III
1033	Ramapati Shukla	..	Ditto	..	III
1036	Ram Chandra Lal Asthana	..	Ditto	..	II
1037	Ram Deo Prasad Ambasht	..	Ditto	..	II
1038	Ram Gopal Bhattacharjee	..	Ditto	..	III
1039	Ram Khalawan Misra	..	Ditto	..	II
1044	Sarju Prasad Dube ..	..	Ditto	..	II
1045	Shah Mohi Uddin ..	..	Ditto	..	III
1046	Shitla Kant Srivastava	..	Ditto	..	III
1047	Shripat Sahai ..	..	Ditto	..	III
1049	Someshwar Nath Sukul	..	Ditto	..	II
1050	Sri Ram	..	Ditto	..	III
1051	Virendra Nath Misra	..	Ditto	..	II
1053	Vishwa Nath Upadhya	..	Ditto	..	III
1057	Bijai Bahadur Mall ..	..	Ditto	..	II
1058	Brijmohan Das Gupta	..	Ditto	..	II
1059	Digambhar Nath Pradhan	..	Ditto	..	III
1060	Dharm Deo Sinha ..	..	Ditto	..	II
1061	*Ganesh Prasad Dube	..	Ditto	..	I
1063	Ganga Vishnu Mehrotra	..	Ditto	..	II
1064	Hira Lal Verma ..	..	Ditto	..	III
1065	Hitendra Kesari Banerji	..	Ditto	..	III
1067	Krishna Chandra Banerji	..	Ditto	..	II
1070	Madan Mohan Lall	..	Ditto	..	II
1072	Muhammad Rafiq Uddin	..	Ditto	..	III
1074	†Nripendra Mohan Banerji	..	Ditto	..	I
1075	Prafulla Kumar Mukerjee	..	Ditto	..	III
1082	Ram Vyas Dube ..	..	Ditto	..	II
1084	Ravindra Nath Misra	..	Ditto	..	III
1085	Sadashiva Madhava Patanker,	..	Ditto	..	III
1086	Sankatha Prasad ..	..	Ditto	..	II
1087	Santi Sekhareswar Banerji	..	Ditto	..	III

*Distinguished in Mathematics, Physics and Chemistry.

†Distinguished in Physics.

Roll no.	Name of candidate.	Name of College.	Passed in division.
953	Surendra Singh Nirvan ..	Bareilly College, Bareilly.	III
954	Sushil Kumar Chaubey ..	Ditto ..	II
955	Syed Muhammad Ibrahim ..	Ditto ..	III
956	Tej Bahadur Madhwar ..	Ditto ..	III
957	Yubal Sinclair Larkin ..	Ditto ..	II
958	Abdul Majid Khan ..	Ditto ..	II
959	Abdul Wahid . ..	Ditto .	III
961	Atma Prakash Bhatnagar ..	Ditto ..	II
962	Basu Dev Prasad	Ditto ..	II
965	Durga Prasad Varma ..	Ditto ..	III
966	Fateh Bahadur	Ditto ..	III
969	Hamid Ahmad Khan ..	Ditto ..	III
970	Harish Chandra Saksena ..	Ditto ..	II
973	Jagdish Bahadur Beckaya ..	Ditto ..	II
975	Karrar Husain . ..	Ditto ..	II
977	Krishna Sahai Saxena ..	Ditto ..	III
982	Murari Lal	Ditto ..	II
985	Pirthi Nath	Ditto ..	II
986	Priya Nath	Ditto ..	III
987	Probodh Kumar Chatterjee ..	Ditto ..	II
988	Raghunandan Prasad ..	Ditto ..	III
990	Ramanuj Dayal Agarwala ..	Ditto ..	I
991	Ram Kishore Agrawala ..	Ditto ..	II
994	Riaz-uddin Ahmad Zubaery ..	Ditto ..	III
995	Razi Uddin Ahmad	Ditto ..	II
996	Sat Narain Sahai	Ditto ..	III
998	Sayeed Ullah Khan . ..	Ditto ..	II
1003	Shanker Lal Gupta ..	Ditto ..	II
1005	Abdul Bari . ..	Queen's Intermediate College, Benares.	III
1006	Amulya Chandra Bhattacharjee	Ditto ..	III
1008	Bishwa Nath Prasad Mathur ..	Ditto ..	III
1009	Braj Narayan Chaube . ..	Ditto ..	III
1013	Deva Sahaya Tewari . ..	Ditto ..	II
1014	Biwan Ranjit Rai	Ditto ..	II
1016	Durgesh Shankar Mathur . ..	Ditto ..	III
1017	Gauri Shankar Singh . ..	Ditto ..	III
1019	Jiwanji Mehta	Ditto ..	III
1021	Kalp Nath Chaube ..	Ditto ..	III
1023	Mathura Das	Ditto ..	III
1024	Muhammad Ainul Huda	Ditto ..	III

Roll no.	Name of candidate.	Name of College.	Passed in division.
1025	Muhammad Jalil	Queen's Intermediate College, Benares.	III
1027	Nitya Nand Mangesh Wagli ..	Ditto ..	II
1028	Prasad Das Chatterjee ..	Ditto ..	III
1029	Pratap Singh Srivastava ..	Ditto ..	II
1030	Raghunandan Rai	Ditto ..	III
1031	Rajendra Lal	Ditto ..	II
1032	Raj Narain Shukla ..	Ditto ..	III
1033	Ramapati Shukla . ..	Ditto ..	III
1036	Ram Chandra Lal Asthana ..	Ditto ..	II
1037	Ram Deo Prasad Ambasht ..	Ditto ..	II
1038	Ram Gopal Bhattacharjee ..	Ditto ..	III
1039	Ram Khalawan Misra ..	Ditto ..	II
1044	Sarju Prasad Dube	Ditto ..	II
1045	Shah Mohi Uddin	Ditto ..	III
1046	Shitla Kant Srivastava ..	Ditto ..	III
1047	Shripat Sahai	Ditto ..	III
1049	Someshwar Nath Sukul ..	Ditto ..	II
1050	Sri Ram	Ditto ..	III
1051	Virendra Nath Misra ..	Ditto ..	II
1053	Vishwa Nath Upadhya ..	Ditto ..	III
1057	Bijai Bahadur Mall	Ditto ..	II
1058	Brijmohan Das Gupta ..	Ditto ..	II
1059	Digambhar Nath Pradhan ..	Ditto ..	III
1060	Dharm Deo Sinha	Ditto ..	II
1061	*Ganesh Prasad Dube ..	Ditto ..	I
1063	Ganga Vishnu Mehrotra ..	Ditto ..	II
1064	Hira Lal Verma	Ditto ..	III
1065	Hitendra Kesari Banerji ..	Ditto ..	III
1067	Krishna Chandra Banerji ..	Ditto ..	II
1070	Madan Mohan Lall ..	Ditto ..	II
1072	Muhammad Rafiq Uddin ..	Ditto ..	III
1074	†Nripendra Mohan Banerji ..	Ditto ..	I
1075	Prafulla Kumar Mukerjee ..	Ditto ..	III
1082	Ram Vyas Dube	Ditto ..	II
1084	Ravindra Nath Misra ..	Ditto ..	III
1085	Sadashiva Madhava Patanker ..	Ditto ..	III
1086	Sankatha Prasad	Ditto ..	II
1087	Santi Sekhareswar Banerji ..	Ditto ..	III

*Distinguished in Mathematics, Physics and Chemistry.

†Distinguished in Physics.

Roll no	*Name of candidate.*	*Name of College.*	*Passed in division.*
1194	Rajendra Nath Sinha ..	Christ Church College, Cawnpore.	III
1195	Ram Nath Misra	Ditto ..	II
1196	Ram Sewak Shukla	Ditto ..	III
1198	Suraj Prasad Khattry ..	Ditto ..	II
1199	Suresh Chandra Upadhyaya ..	Ditto ..	III
1203	Sheikh Yusuf Ali	Ditto ..	III
1205	Satya Narain	Ditto ..	II
1206	Sadhau Singh	Ditto ..	II
1207	Shah Razi Ahmad Qutbi ..	Ditto ..	III
1210	Shiva Chandra Nigam ..	Ditto ..	II
1211	Sourendra Kumar Ghosh ..	Ditto ..	I
1212	Tanwir Hasan	Ditto ..	III
1213	Tapeshwari Prasad Nigam ..	Ditto ..	I
1215	Uma Charan . ..	Ditto ..	II
1216	Vinayak Ganesh Waze ..	Ditto ..	II
1217	Vithal Raghunath Damle ..	Ditto ..	I
	Under Regulation 18, Chapter XII of the Board's Regulations.		
1219	Sant Prasad	Christ Church College, Cawnpore.	Passed*
1220	Baboo Lal Misra	B. N. S. D. Intermediate College, Cawnpore.	II
1221	Badri Prasad Gupta ..	Ditto ..	II
1224	Bhagwati Prasad Bhatelay ..	Ditto ..	III
1225	Bhoj Raj Gupta	Ditto ..	II
1226	Bisheshwar Dayal Shukla ..	Ditto ..	II
1227	Brij Bhooshan Chaturvedy ..	Ditto ..	III
1228	Brij Mohanlal Kanodia ..	Ditto ..	III
1229	Bulaqi Ram Kapoor ..	Ditto ..	III
1230	Chinta Mani Tripathi ..	Ditto ..	III
1231	Darshan Singh	Ditto ..	III
1233	Dharma Nand Dhoundyal ..	Ditto ..	II
1235	Gopi Krishna Sharma ..	Ditto ..	III
1238	Gyanendra Trivedi ..	Ditto ..	III
1239	*Hans Raj	Ditto ..	I
1240	†Hari Krishna Tandon ..	Ditto ..	
1243	Hari Sharan Lal Misra ..	Ditto ..	III

* Distinguished in Biology.

† Distinguished in Chemistry.

Roll no.	Name of candidate.	Name of College.	Passed in division.
1244	Jagannath Kapur	B. N. S. D. Intermediate College, Cawnpore.	II
1245	Jagdish Chandra Hajela ..	Ditto ..	III
1247	Jagdish Sahai	Ditto ..	III
1248	James Edwin Shaw	*Ditto* ..	*III*
1249	Jang Bahadur Shrivastava ..	Ditto ..	III
1250	Jugul Kishor	Ditto ..	III
1251	Jyoti Prasad Saksena ..	Ditto ..	III
1252	Kailash Chandra Verma .	Ditto ..	III
1253	Kailash Nath Khanna ..	Ditto ..	III
1254	Kartar Singh	Ditto ..	II
1256	Kreshna Chandra Tandon ..	Ditto ..	III
1257	Lakshmi Narain Khanna ..	Ditto ..	III
1258	Lila Dhar	Ditto ..	III
1261	Mahesh Chandra Srivastava ..	Ditto ..	III
1262	*Mahesh Narain Nigam* ..	*Ditto* ..	*III*
1263	Mahmood Ullah Khan (Pathan)	Ditto ..	III
1265	Nanak Chand Kapoor ..	Ditto ..	III
1266	Nanak Chandra Tandon .	Ditto ..	III
1268	Narain Swarup Mathur .	Ditto ..	III
1269	Onkar Prasad Srivastava ..	Ditto ..	III
1270	Prabhu Dayal Shukla ..	Ditto ..	III
1271	Prakash Narain Bajpai ..	Ditto ..	II
1273	Radha Saran Khanna	Ditto .	II
1275	Raghunath Prasad Tandan ..	Ditto ..	III
1276	Raghunath Rai	Ditto ..	II
1277	*Rajendra Kumar Agarwala	Ditto ..	I
1278	Rajendra Singh ..	Ditto ..	III
1280	Ram Chandra Sharma .	Ditto ..	II
1282	*Ram Lakhan Tiwari*	*Ditto* ..	*III*
1283	Ram Swarup Katiyar ..	Ditto ..	III
1284	Ram Swarup Saksena ..	Ditto ..	III
1286	Rup Kishore	Ditto ..	III
1287	Shiva Narain Mehrotra ..	Ditto ..	III
1288	Shiva Prasad Shukla ..	Ditto ..	III
1290	Sitla Prasad Gaurha ..	Ditto ..	III
1292	Suraj Prashad Mehra ..	Ditto ..	II
1294	Thaneshowar Nath Bhraguvanshi	*Ditto* ..	*II*
1295	Trijugi Narayan Bajpai ..	Ditto ..	II

* Distinguished in Mathematics

Roll no.	Name of candidate.	Name of College.	Passed in division.
1296	Uma Shanker Bajpai ..	B. N. S. D. Intermediate College, Cawnpore.	III
1297	Uma Sanker Shukla ..	Ditto ..	II
1299	Yagya Kumar Tewari ..	Ditto ..	III
1300	Amreshwar Avasthi	D. A.-V. College, Cawnpore.	II
1301	Atal Bihari Bhattacharya ..	Ditto ..	II
1302	Babu Ram Pathik	Ditto ..	II
1303	Badri Prasad Saksena ..	Ditto ..	II
1304	Babu Ram Dikshit	Ditto ..	III
1305	Banshi Singh	Ditto ..	III
1307	Basu Deo Prasad	Ditto ..	III
1309	Bhishma Nand Sharma ..	Ditto ..	III
1310	Bishambhar Dayal Dikshit ..	Ditto ..	III
1312	*Bishambhar Nath Dube ..	Ditto ..	II
1313	Bisheshwar Prasad Gupta ..	Ditto ..	II
1314	Bishun Prasad Dikshit ..	Ditto ..	II
1316	Chandi Prasad Singh ..	Ditto ..	III
1317	*Chandra Bhan Singh* ..	Ditto ..	II
1318	Chandra Gupta	Ditto ..	II
1319	Ch. Dig Bijai Singh	Ditto ..	III
1320	Daya Prasad Saxena ..	Ditto ..	III
1321	Debi Shankar . ..	Ditto ..	II
1322	Dulare Lal Misra	Ditto ..	II
1323	Durga Prasad Misra ..	Ditto ..	III
1324	Durga Das ..	Ditto ..	III
1329	Girish Chandra Katyar ..	Ditto ..	II
1330	Gayan Chandra Chaturvedi ..	Ditto ..	II
1331	*Hari Vansh . ..	Ditto ..	II
1332	Har Sharan Singh Gaur ..	Ditto ..	III
1333	Hari Ram Seth	Ditto ..	III
1334	Har Bhajan Singh . ..	Ditto ..	II
1336	Hutashan Deva Pandey ..	Ditto ..	II
1337	Janki Saran	Ditto ..	III
1338	*Jang Bahadur Singh* . ..	Ditto ..	III
1339	Jagdish Saran Srivastava ..	Ditto ..	II
1340	Janki Nath Tandon	Ditto ..	II
1341	Jitendra Vikram Singh Somvanshi	Ditto ..	II

* Distinguished in Sanskrit.

Roll no.	Name of candidate.	Name of College.	Passed in division.
1342	Jyoti Swarup Saksena ..	D. A.-V. College, Cawnpore.	III
1343	Kamada Charan Mukerji ..	Ditto ..	III
1344	Karuna Moy Mukerji ..	Ditto .	II
1345	Krishna Shekhar Sinha ..	Ditto .	III
1346	Lakshmi Sahaya Saxena ..	Ditto ..	II
1347	Lal Sukh Piare Singh ..	Ditto ..	III
1348	Madhava Prasad Pandey ..	Ditto .	III
1350	Mahendra Singh Raghuvanshi ..	Ditto	III
1351	*Moti Lal Gupta	Ditto .	I
1352	Munshi Singh Sombanshi ..	Ditto .	III
1353	Mukund Rao	Ditto .	II
1355	Pratab Narain Saxena .	Ditto ..	III
1356	Prithvi Nath Srivastava ..	Ditto	III
1358	Raja Ram Pande	Ditto	II
1359	Raja Ram Chaudhri .	Ditto	III
1361	Ramesh Chandra Asthana ..	Ditto .	III
1364	Ram Kumar Nigam .	Ditto .	III
1365	Rameshwar Prasad Seth ..	Ditto	III
1367	Ram Kumar Misra ..	Ditto	II
1368	Ram Datta Bajpai . ..	Ditto	III
1369	Raghunath Prasad Chaudhary ..	Ditto	III
1370	Ram Dhokhe Shukla ..	Ditto	III
1371	Ramesh Chandra Pande	Ditto .	III
1372	Ram Nath Srivastava ..	Ditto .	II
1374	Sahg Ram Seth	Ditto	III
1375	Sata Nand Saxena .. .	Ditto ..	III
1376	Satish Chandra	Ditto .	III
1377	Sant Ram Khanna ..	Ditto ..	III
1379	*Sheo Kumar Tripathi ..	Ditto .	I
1381	Shiva Shankar Lal Srivastava .	Ditto .	II
1382	Shiv Sewak Prasad Singh ..	Ditto	III
1383	Shri Narayan Mishra ..	Ditto	III
1385	Shiva Sahaya Misra .. .	Ditto	III
1387	Sohan Lal Misra .. .	Ditto ..	II
1389	Surendra Kumar Saxena .	Ditto	II
1390	Triveni Prasad Srivastava .	Ditto .	III
1391	Tulsi Ram Dixit ..	Ditto	III
1392	Uma Shankar Misra .	Ditto .	II
1394	Vishweshwar Dayal Srivastava	Ditto .	III

* Distinguished in Mathematics.

Roll no.	Name of candidate.	Name of College.	Passed in division.
1396	Yogendra Nath Gour	D. A.-V. College, Cawnpore.	III
1397	Abani Kanta Chatterjee	Ditto	II
1399	*Bhagwati Sahai Srivastava	Ditto	II
1400	Bhuaneshwar Sharan	Ditto	I
1403	Hari Mohan Sahai Saxena	Ditto	III
1404	Hari Sharad Chandra Srivastava	Ditto	III
1406	Indra Narayan Shukla	Ditto	III
1408	*Kanhaiya Lal Bhatia	Ditto	I
1410	Nripendra Kinkar Hazra	Ditto	III
1416	Rajendra Kumar Kochhar	Ditto	II
1417	*Rajani Kanto Ghoshal*	*Ditto*	III
1420	Ram Prasad Tewari	Ditto	II
1421	Ram Sundar Kapoor	Ditto	III
1422	Shiva Pyare Tripathi	Ditto	III
1426	Sudheswar Singh Sombanshi	Ditto	III
1427	Triloki Nath Srivastava	Ditto	II
1428	Yatindra Nath Dube	Ditto	[illegible]

Compartmental.—Under Regulation 18, Chapter XII of the Board's Regulations.

Roll no.	Name of candidate.	Name of College.	Passed in division.
1429	Bishan Behari Lal Saksena	D. A.-V. College, Cawnpore.	Passed.
1430	Jagat Prakash Goyal	Ditto	Passed.
1431	Ami Chandra Gupta	D. A.-V Intermediate College, Dehra Dun.	II
1432	Anand Narain	Ditto	III
1433	Bakhtawar Singh Rawat	Ditto	II
1435	Bhola Datt Thaphyal	Ditto	III
1436	†Bishal Chand Jain	Ditto	I
1437	Budhi Ram Dabral	Ditto	III
1440	Darshan Lall Agarwala	Ditto	II
1441	*Dharm Pal*	*Ditto*	II
1444	Girija Datta Gwari ..	Ditto	III
1445	Gopal Lal Maheshwari	Ditto	II
1446	Govind Prasad Bhargava	Ditto	II
1447	Gyan Chandra	Ditto	II
1449	Hari Ram Uniyal	Ditto	III
1452	Har Prakash Khattri	Ditto	III

* Distinguished in Mathematics.

† Distinguished in Mathematics and Chemistry.

Roll no.	Name of candidate.	Name of College.	Passed in division.
1454	Jai Prakash Singhal	D. A.-V. Intermediate College, Dehra Dun.	III
1456	Jivan Dhan Banerji	Ditto	III
1459	Kalyan Kumar Sinha	Ditto	III
1460	Kanwar Singh	Ditto	III
1461	Khwaja Abdul Rahim	Ditto	III
1462	Krishnalal Gupta	Ditto	II
1464	Kunwar Bahadur Mathur	Ditto	I
1465	Madan Gopal Purang	Ditto	II
1466	Madan Mohan Lal	Ditto	III
1468	Maya Datt Thapliyal	Ditto	II
1469	Mazhar Mohammed Qureshi	Ditto	III
1471	Mustajab Ahmad	Ditto	III
1472	Narain Datt Dhondiyal	Ditto	III
1474	Nathi Singh	Ditto	II
1475	Pratap Singh Rorhian	Ditto	III
1476	Prem Chand	Ditto	III
1477	Prem Prakash Joshan	Ditto	III
1478	Qadam Singh	Ditto	II
1479	Ram Prasad Pokhariyal	Ditto	III
1481	Shambhu Prasad Khanduri	Ditto	III
1482	Shamsher Bahadur Singh	Ditto	III
1483	Shantanu Kunwar Tyagi	Ditto	III
1485	Shiba Dayala Singh	Ditto	II
1486	Sishir Kumar Banerji	Ditto	II
1487	Subodh Kumar Ghosh	Ditto	II
1488	Sukhbir Singh Agarwala	Ditto	III
1489	*Suresh Chandra Gupta	Ditto	I
1490	Thakur Girwar Singh	Ditto	III
1491	Thakur Gopal Singh Tomar	Ditto	III
1492	Vikramajit Singh	Ditto	III
1493	Zahurul Hasan Khamis Qurashi	Ditto	II

Compartmental Under Regulation 18, Chapter XII of the Board's Regulations.

1494	Mani Ram Thapliyal	D. A.-V. Intermediate College, Dehra Dun	Passed.
1495	Donald James Godfrey	St. George's College, Mussoorie	III
1501	Jack Herbert Auckland Westropp	Ditto	.

* Distinguished in Mathematics and Chemistry.

Roll no.	Name of candidate.	Name of College.	Passed in division
1502	Chandra Bahadur Singh ..	St. George's College, Mussoorie.	II
1504	Michael George Durant .	Ditto ..	II
1505	Reginald Arthur Fox Raymond ..	Ditto ..	II
1507	Trevor Rothwell Bell Francis ..	Ditto ..	III
1509	Ayodhya Prasad Misra ..	Government Intermediate College, Etawah.	II
1510	Balwant Singh Nigama ..	Ditto ..	III
1511	Bijai Bahadur Singh.. ..	Ditto ..	II
1514	Dharam Das Jain . ..	Ditto ..	II
1518	Kailash Narayan Mehrotra ..	Ditto ..	III
1520	Krishna Das Agarwal ..	Ditto ..	III
1521	Maheshwari Dayal Raizada ..	Ditto ..	II
1522	Manoranjan Bagchee ..	Ditto ..	II
1523	Prayag Narayan Modawal ..	Ditto ..	II
1527	Ramesh Datt Mishra ..	Ditto ..	III
1531	Shyam Sunder Lal Gupta ..	Ditto ..	III
1536	Ali Husain Beg	Government Intermediate College, Fyzabad.	III
1537	Amar Nath Pande	Ditto ..	III
1538	Aron Chandra Benerji ..	Ditto ..	III
1539	Babu Ram Srivastava ..	Ditto ..	III
1541	Chandra Bhushan Tiwari ..	Ditto ..	III
1542	Chandra Gopal Misra ..	Ditto ..	III
1543	Chandra Pratap Singh ..	Ditto ..	III
1544	Chandra Shekhar Rai ..	Ditto ..	III
1545	Deo Narayan Shukla ..	Ditto ..	III
1546	Gokul Chandra Srivastava ..	Ditto ..	II
1548	Govind Prasad Saxena ..	Ditto ..	III
1550	Jafar Mahdi . ..	Ditto ..	III
1552	Jagmohan Nath Kaul ..	Ditto ..	III
1553	Jamna Prasad Srivastava ..	Ditto ..	III
1554	Kamta Prasad Misra ..	Ditto ..	III
1555	Kedar Nath Srivastava ..	Ditto ..	II
1556	Lakshmi Narain Shukla ..	Ditto ..	III
1558	Mahesh Narain	Ditto ..	III
1561	Mewa Ram Srivastava ..	Ditto ..	III
1562	Muhammad Yasin	Ditto ..	III
1563	Muhammad Zaman . ..	Ditto ..	III

Roll no.	Name of candidate.	Name of College.	Passed in division.
1566	Nirankar Prasad	Government Intermediate College, Fyzabad.	III
1567	Radha Charan Srivastava ..	Ditto ..	III
1568	Raj Bahadur Mathur ..	Ditto ..	II
1569	Raj Kumar Singh	Ditto ..	III
1570	Rama Lal Tripathi	Ditto ..	II
1571	Ram Lakhan Singh .. .	Ditto ..	III
1572	Ram Sajiwan Tiwari ..	Ditto ..	III
1573	Ram Shankar Gupta ..	Ditto .	III
1574	Ram Shankar Kahre ..	Ditto .	III
1575	Rama Shankar Lal Srivastava ..	Ditto ..	II
1576	Saiyid Faqir Shabbar ..	Ditto .	III
1577	Saiyid Hamid Husain ..	Ditto ..	III
1578	Saiyid Muhammad Amir ..	Ditto ..	III
1579	Saiyid Muhammad Yusuf ..	Ditto ..	III
1581	Saiyid Shakir Husain ..	Ditto ..	III
1583	Shailendra Bejoy Bose ..	Ditto ..	III
1584	Shambhu Dayal Avasthi ..	Ditto .	III
1586	Shiva Narain Pande ..	Ditto .	III
1589	Uma Shankar Shrivastava ..	Ditto .	III
1590	Abou Muhammad Hakim ..	Ditto ..	II
1591	*Ajit Kumar Roy .. .	Ditto	I
1592	Bhanu Pratap Tiwari ..	Ditto ..	III
1593	Bitthal Das Gujrati	Ditto ..	II
1594	Gur Prasad	Ditto .	III
1595	Ishwar Chandra	Ditto ..	III
1596	Jwala Prasad Gupta ..	Ditto ..	II
1598	Lajpat Prasad Srivastava ..	Ditto ..	III
1599	Lakshmi Narain Srivastva ..	Ditto	III
1605	†Radha Raman Dwivedi ..	Ditto .	I
1607	Sarju Prasad Srivastava ..	Ditto .	III
1611	Afzalullah Khan Azmi ..	St Andrew's College, Gorakhpur	III
1613	Ashta Bhuja Singh	Ditto .	III

* Distinguished in Chemistry.

† Distinguished in Mathematics.

Roll no.	Name of candidate.	Name of College.	Passed in division
1502	Chandra Bahadur Singh ..	St. George's College, Mussoorie.	II
1504	Michael George Durant .	Ditto ..	II
1505	Reginald Arthur Fox Raymond ..	Ditto ..	II
1507	Trevor Rothwell Bell Francis ..	Ditto ..	III
1509	Ayodhya Prasad Misra ..	Government Intermediate College, Etawah.	II
1510	Balwant Singh Nigama ..	Ditto ..	III
1511	Bijai Bahadur Singh.. ..	Ditto ..	II
1514	Dharam Das Jain . ..	Ditto ..	II
1518	Kailash Narayan Mehrotra ..	Ditto ..	III
1520	Krishna Das Agarwal ..	Ditto ..	III
1521	Maheshwari Dayal Raizada ..	Ditto ..	II
1522	Manoranjan Bagchee ..	Ditto ..	II
1523	Prayag Narayan Modawal .	Ditto ..	II
1527	Ramesh Datt Mishra ..	Ditto ..	III
1531	Shyam Sunder Lal Gupta ..	Ditto ..	III
1536	Ali Husain Beg	Government Intermediate College, Fyzabad.	III
1537	Amar Nath Pande	Ditto ..	III
1538	Aron Chandra Benerji ..	Ditto ..	III
1539	Babu Ram Srivastava ..	Ditto ..	III
1541	Chandra Bhushan Tiwari ..	Ditto ..	III
1542	Chandra Gopal Misra ..	Ditto ..	III
1543	Chandra Pratap Singh ..	Ditto ..	III
1544	Chandra Shekhar Rai ..	Ditto ..	III
1545	Deo Narayan Shukla ..	Ditto ..	III
1546	Gokul Chandra Srivastava ..	Ditto ..	II
1548	Govind Prasad Saxena ..	Ditto ..	III
1550	Jafar Mahdi . ..	Ditto ..	III
1552	Jagmohan Nath Kaul ..	Ditto ..	III
1553	Jamna Prasad Srivastava ..	Ditto ..	III
1554	Kamta Prasad Misra ..	Ditto ..	III
1555	Kedar Nath Srivastava ..	Ditto ..	II
1556	Lakshmi Narain Shukla ..	Ditto ..	III
1558	Mahesh Narain . ..	Ditto ..	III
1561	Mewa Ram Srivastava ..	Ditto ..	III
1562	Muhammad Yasin . ..	Ditto ..	III
1563	Muhammad Zaman	Ditto ..	III

Roll no.	Name of candidate.	Name of College.	Passed in division.
1566	Nirankar Prasad	Government Intermediate College, Fyzabad.	III
1567	Radha Charan Srivastava ..	Ditto ..	III
1568	Raj Bahadur Mathur ..	Ditto ..	II
1569	Raj Kumar Singh	Ditto ..	III
1570	Rama Lal Tripathi	Ditto ..	II
1571	Ram Lakhan Singh	Ditto ..	III
1572	Ram Sajiwan Tiwari ..	Ditto ..	III
1573	Ram Shankar Gupta ..	Ditto ..	III
1574	Ram Shankar Kahre ..	Ditto .	III
1575	Rama Shankar Lal Srivastava ..	Ditto .	II
1576	Saiyid Faqir Shabbar ..	Ditto ..	III
1577	Saiyid Hamid Husain ..	Ditto ..	III
1578	Saiyid Muhammad Amir ..	Ditto ..	III
1579	Saiyid Muhammad Yusuf ..	Ditto .	III
1581	Saiyid Shakir Husain ..	Ditto ..	III
1583	Shailendra Bejoy Bose ..	Ditto ..	III
1584	Shambhu Dayal Avasthi ..	Ditto	III
1586	Shiva Narain Pande ..	Ditto .	III
1589	Uma Shankar Shrivastava ..	Ditto ..	III
1590	Abou Muhammad Hakim ..	Ditto ..	II
1591	*Ajit Kumar Roy	Ditto	I
1592	Bhanu Pratap Tiwari ..	Ditto ..	III
1593	Bitthal Das Gujrati	Ditto ..	II
1594	Gur Prasad	Ditto .	III
1595	Ishwar Chandra	Ditto ..	III
1596	Jwala Prasad Gupta ..	Ditto ..	II
1598	Lajpat Prasad Srivastava ..	Ditto ..	III
1599	Lakshmi Narain Srivastra ..	Ditto ..	III
1605	†Radha Raman Dwivedi ..	Ditto ..	I
1607	Sarju Prasad Srivastava ..	Ditto ..	III
1611	Afzalullah Khan Azmi ..	St. Andrew's College, Gorakhpur.	III
1613	Ashta Bhuja Singh	Ditto ..	III

* Distinguished in Chemistry.

† Distinguished in Mathematics.

Roll no.	Name of candidate.	Name of College.	Passed in division
1619	Bishwa Nath Prasad Khare ..	St. Andrew's College, Gorakhpur.	II
1620	Bindeshwari Singh	Ditto ..	III
1621	Brahma Deva Prasad Srivastava	Ditto ..	III
1622	Brahma Deo Singh Kaushika ..	Ditto ..	III
1624	Dhruvaji Pande	Ditto ..	III
1628	Ganga Prasad	Ditto ..	III
1629	Gokaran Misra	Ditto ..	III
1630	Gorakh Prasad	Ditto ..	III
1632	Ganpati Rai	Ditto ..	II
1634	Hari Nath Varma	Ditto ..	II
1635	Har Prasad	Ditto ..	II
1636	Harihar Prasad Varma ..	Ditto ..	II
1637	Iqbal Ahmad . ..	Ditto ..	III
1640	Jagannath Prasad Srivastava ..	Ditto ..	II
1641	Jagdambika Prasad Srivastava	Ditto ..	III
1642	Jamal Khan	Ditto ..	II
1643	Jai Karan Pandey	Ditto ..	II
1645	Jagdish Chandra Khullar ..	Ditto ..	III
1646	Jata Shankar Kal . ..	Ditto ..	III
1647	Kedar Nath	Ditto ..	II
1650	Krishna Nand	Ditto ..	III
1651	Khurshed Ahmad Khan ..	Ditto ..	III
1656	Lakshmi Shankar Srivastava ..	Ditto ..	III
1657	Muhammad Arshadullah Abbasi	Ditto ..	III
1659	Man Mohan Sahai	Ditto ..	III
1662	Mukta Nand	Ditto ..	III
1664	Nil Prasanna Mukerji ..	Ditto ..	II
1665	Purnendu Mohan Kar ..	Ditto ..	I
1668	Ram Asray	Ditto ..	III
1669	Ram Kumar Lal . ..	Ditto ..	III
1673	Radha Ranjan Pande ..	Ditto ..	II
1674	Ram Bihari Misra	Ditto ..	II
1678	Saiyid Masrur Ali Zaidi ..	Ditto ..	III
1680	Satya Deva Chaudhry ..	Ditto ..	III
1681	Shri Nath Lal	Ditto ..	III
1683	Saiyid Muhammad Vasi ..	Ditto ..	III
1684	Saiyid Shamim Ahmad ..	Ditto ..	III
1686	Suraj Bali Prasad Srivastava ..	Ditto ..	III
1687	Santosh Kumar Banerji ..	Ditto ..	III
1688	Tegh Bahadur Singh ..	Ditto ..	III
1690	Yudhisthir Vidyarthi ..	Ditto ...	III

Compartmental candidate under Regulation 18, Chapter XII of the Board's Regulations.

Roll no.	Name of candidate.	Name of College.	Passed in division.
1691	Shyam Sundar Chaubey	St. Andrew's College, Gorakhpur.	Passed.
1692	Abdul Kadeer	Government Intermediate College, Jhansi.	III
1693	Abdul Shakur Khan	Ditto	II
1694	Anant Kishore Khare	Ditto	III
1695	Beni Prasad Shrivastava	Ditto	II
1696	Bhagwan Das Misra	Ditto	III
1697	Gokul Das Sharma	Ditto	II
1698	Ishrat Ali	Ditto	III
1699	Jagdish Prasad Bhatnagar	Ditto	III
1701	Krishna Rao Modak	Ditto	III
1702	Lakshman Kishore Goswami	Ditto	III
1703	Madhava Prasad Sharma	Ditto	II
1705	Markandey Singh	Ditto	III
1706	Muhammad Akbar Hasan Siddiqi	Ditto	II
1708	Radha Charan Goswami	Ditto	III
1711	Saied Ullah Siddiqi	Ditto	III
1712	Shri Krishna Chaturvedi	Ditto	III
1715	Uma Datta Sharma	Ditto	III
1716	Vasudeo Rao Thattey	Ditto	III
1717	Vishambhar Sahai	Ditto	III
1718	Vishwa Nath Prasad Saxena	Ditto	III
1719	Bhagwan Prasad Srivastava	Ditto	II
1723	Jamna Das Jharkharia	Ditto	II
1728	Prem Narain Mathur	Ditto	II
1731	Shyam Lal Sharma	Ditto	III
1732	Suraj Prakash Verma	Ditto	III
1733	Suresh Prasad	Ditto	II
1735	Miss Alice Clara Sinclair	Isabella Thoburn College, Lucknow.	III
1736	*Miss Attia Shahid Hosain Kidwai	Ditto	I
1738	Miss Cecilia Caroline St Clare Stracey	Ditto	I
1739	Miss Evangeline Sober	Ditto	II
1740	Miss Evelyn Lal	Ditto	II
1741	Miss Gur Pyari	Ditto	III

* Distinguished in History (Greece and Rome) and Biology.

Roll no.	Name of candidate.	Name of College.	Passed in division.
1742	Miss Hemnolini Roy ..	Isabella Thoburn College, Lucknow. ..	III
1743	Miss Ishvari Lakhani ..	Ditto ..	III
1744	Miss Kanthamma Sanjeeva Rao ..	Ditto ..	II
1746	Miss Lilavati Misra	Ditto ..	III
1747	Miss Manokorikama Basaviah ..	Ditto ..	II
1748	Miss Manorama Panduran Kelkar	Ditto ..	III
1749	Miss Prema Khanna ..	Ditto ..	I
1750	Miss Prasonno Kumari Shah ..	Ditto ..	II
1751	Miss Sati Lakhani	Ditto ..	III
1752	Miss Shashlekha Vishwanath Bhandarkar.	Ditto	II
1753	Miss Susan Meshacks ..	Ditto ..	III
1755	Abdul Wahid ..	..Government Jubilee Intermediate College, Lucknow.	III
1758	Chaudhri Sarwat Ulah Kirmani ..	Ditto ..	III
1759	Ganpat Singh	Ditto ..	II
1760	Ganesh Prasad Srivastava ..	Ditto ..	III
1761	Gauri Shankar	Ditto ..	II
1762	Gopi Nath Misra	Ditto ..	III
1763	Ittihad Husain Siddiqi ..	Ditto ..	III
1765	Jagdambika Prasad	Ditto ..	III
1766	*Kandhyia Lal Saxena ..	Ditto ..	I
1767	Khwaja Farid Uddin ..	Ditto ..	III
1768	Lachmi Narain Tondon ..	Ditto ..	III
1774	Muhammad Akbar . ..	Ditto ..	III
1777	Nurul Hasan Hashmi ..	Ditto ..	II
1778	Pirthi Nath Khanna ..	Ditto ..	III
1779	Radhe Bihari Bisaria ..	Ditto ..	II
1783	Sarwat Ali	Ditto ..	III
1784	Saiyed Ale Rasul	Ditto ..	III
1785	Saiyid Kishwar Husain Zaidi ..	Ditto ..	III
1786	Saiyid Maqbul Hasan Abidi ..	Ditto ..	III
1787	Saiyid Mushir Ahmad Razzaqui ..	Ditto ..	III
1788	Saiyid Muhammad Moshin Rizvi	Ditto ..	II
1789	Saiyid Mohammad Sadiq ..	Ditto ..	III
1790	Saiyid Qamqam Husain Jafari ..	Ditto ..	II
1791	Saiyid Shabbir Hasan ..	Ditto ..	III
1794	Shamsher Bahadur Samadi ..	Ditto ..	II

* Distinguished in Mathematics.

Roll no.	Name of candidate.	Name of College.	Passed in division.
1795	Shiva Mohan Dayal Saxena ..	Government Jubilee Intermediate College, Lucknow	III
1797	Sri Prakash Singh	Ditto .	III
1798	Surendra Nath Kapur ..	Ditto ..	III
1799	Virendra Nath Chaturvedi ..	Ditto .	III
1801	Gauri Shankar Tiwari ..	Ditto ..	II
1802	Gyaneshwar Misra	Ditto	II
1804	Harish Chandra Sinha ..	Ditto	II
1808	*Iqbal Narain	Ditto .	I
1806	Jari Ahmad Saiyid	Ditto	II
1810	Mahendra Nath	Ditto .	III
1813	†Muhammad Owais	Ditto ..	I
1814	Niranjan Nath Vyas ..	Ditto ..	III
1816	Phanindra Krista Bose ..	Ditto ..	III
1818	Radha Raman Srivastava ..	Ditto ..	III
1819	Rajpal Singh	Ditto .	III
1821	Ram Lal	Ditto .	III
1822	†Ram Ratan Bajpai . ..	Ditto .	II
1823	†Ramesh Chandra ..	Ditto	I
1824	Ramesh Narain Sinha ..	Ditto	III
1826	†Saiyid Ali Akhtar Rizwi ..	Ditto	I
1827	Sarva Sukh Rama Misra ..	Ditto ..	III
1829	Shiva Narain Bhatia ..	Ditto ..	II
1830	Shyam Lal Bajpai . ..	Ditto ..	II
1834	Ajodhya Prasad Agarwal ..	Shia Intermediate College, Lucknow	III
1838	Hafizur Rahman . .	Ditto .	III
1840	Mirza Ali Hasan . .	Ditto	III
1842	Mohammad Azim ud-din Beg .	Ditto ..	III
1843	Ramapat Ram Sinha ..	Ditto .	III
1844	Rameshwar Singh .	Ditto ..	III
1845	Saiyid Ali Raza	Ditto ..	II
1846	Saiyid Hasan Raza .	Ditto	II
1847	Saiyid Iftikhar Husain Rizvi .	Ditto ..	III
1849	Saiyid Mumtaz Haider .	Ditto ..	III
1852	Charles Harold Carlisle ..	La Martinière College, Lucknow.	II
1854	H tho Brotho Mukerji ..	Ditto .	III

* Distinguished in Mathematics and Chemistry

† Distinguished in Mathematics

Roll no.	Name of candidate.	Name of College.	Passed in division.
1855	James Maurice Hardie	La Martinière College, Lucknow.	III
1856	John Inwood	Ditto	II
1857	Manmohan Lall	Ditto	III
1858	Reginald Bruce Sadfar Raza	Ditto	III
1860	Shiva Gopal	Ditto	III
1861	Terence Reginald Barker	Ditto	III
1862	Vishwanath Chak	Ditto	III
1863	Wilbur Ronald Gomes	Ditto	III

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Roll no.	Name of candidate.	Name of College.	Passed in division.
1865	Chhotay Lall Bhargava	La Martinière College, Lucknow.	Passed.
1867	Abdus Samad Khan	Lucknow Christian College, Lucknow.	III
1869	Amresh Pal Singh	Ditto	III
1870	Badri Singh	Ditto	II
1871	Balbir Prasad Bhatnagar	Ditto	II
1872	Bennett Singh	Ditto	III
1873	Bhagwan Dayal Dagg	Ditto	III
1874	Chaudhri Saiyid Rashid Ali	Ditto	III
1876	Dwarka Nath Srivastava	Ditto	III
1877	Frederick Sunney Matthews	Ditto	III
1880	Gur Saran Lal Srivastava	Ditto	III
1884	Ikram Husain	Ditto	II
1886	Jai Kishore Srivastava	Ditto	III
1887	Jai Krishna Sinha	Ditto	III
1889	Kabir Ahmad Usmani	Ditto	III
1891	Kedar Nath Saxena	Ditto	III
1892	Keshav Nath	Ditto	II
1902	Mohan Krishna Seth	Ditto	III
1903	Muhammad Farooq Ahsan	Ditto	III
1909	Nageshwar Bakhsh	Ditto	III
1910	Nageshwar Bux Singh	Ditto	III
1911	Nasir Murad	Ditto	III
1912	Nazir Hasan Zaidi	Ditto	III
1913	Nirankar Prasad	Ditto	III
1914	Osborne Jerome Aram	Ditto	III
1915	Phatehchand Tirthdas Ram Chandaney	Ditto	III
1917	Qazi Irshad Husain Ansari	Ditto	III

Roll no.	Name of candidate.	Name of College	Passed in division.
1918	Qazi Muhammad Faruque Hasan	Lucknow Christian College, Lucknow.	III
1919	Ragho Prasad ..	Ditto ..	III
1920	Rajendranath Bonarjee ..	Ditto ..	II
1922	Raj Narain Bhatnagar ..	Ditto ..	II
1923	Raj Narain	Ditto ..	II
1925	Roop Narain Srivastava ..	Ditto ..	III
1926	Saiyid Abul Hasan	Ditto ..	III
1928	Saiyid Loqman Haider ..	Ditto ..	II
1932	Saiyid Wasi Raza	Ditto ..	II
1933	Samuel Walters Pitam Rao ..	Ditto ..	II
1935	Shambhu Dayal Gupta ..	Ditto ..	III
1936	Shamsul Hasan Khan ..	Ditto ..	III
1938	Sheikh Muhammad Alam ..	Ditto ..	III
1941	Sri Ram Khattri	Ditto ..	II
1942	Sunder Lal	Ditto ..	III
1944	Sunder Raj Raichur ..	Ditto ..	III
1945	Taj Uddin Ahmad	Ditto ..	II
1946	Ulfilas Henry ..	Ditto ..	III
1947	Vijai Bahadur Sinha. ..	Ditto ..	III
1954	Asrar Husain Khan	Ditto ..	II
1957	Bisheshwar Dayal	Ditto ..	II
1958	Bishambhar Nath Mehrotra ..	Ditto ..	III
1959	Bishwanath Chowdry ..	Ditto ..	III
1960	*Brahm Datt Vashist ..	Ditto ..	II
1963	Chandrika Prasad . ..	Ditto ..	III
1966	Dhanji Bhai	Ditto ..	III
1967	Dhan Prakash Sharma ..	Ditto ..	II
1972	Girja Saran Lal ..	Ditto ..	III
1977	Harish Chandra Narain ..	Ditto ..	III
1986	Kanti Bhushan Sharma ..	Ditto ..	III
1987	Kameshwar Dayal Srivastava ..	Ditto ..	II
1992	Kul Prakash ..	Ditto .	II
1996	Mahadeo Prasad Gupta .	Ditto .	III
1998	Muhammad Abdul Jalil Faridi ..	Ditto ..	III
1999	Muhammad Ahsan Khan ..	Ditto ..	II
2000	Muhammad Abdul Aziz ..	Ditto ..	III
2001	Mushtaq Ahmad Alavi ..	Ditto ..	II
2005	Newton Ram	Ditto ..	III
2007	Onkar Nath Saxena . ..	Ditto .	III

* Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2009	Pratab Narain ..	.. Lucknow Christian College, Lucknow.	II
2012	Radhe Mohan Saxena ..	Ditto ..	III
2013	Ram Chandra	Ditto ..	III
2015	Ram Kumar Srivastava ..	Ditto ..	III
2016	Ram Nath Mehrotra.. ..	Ditto ..	III
2017	Rudra Dutt Misra	Ditto ..	II
2019	Ghazanfar Ali . ..	Ditto ..	II
2022	Sannayasi Charan De ..	Ditto ..	III
2024	Satish Chandra Asthana ..	Ditto ..	III
2027	Shiva Narain Srivastava ..	Ditto ..	II
2028	Shiva Nath Sharma	Ditto ..	II
2029	Shri Lal Goel . ..	Ditto ..	III
2031	Shyam Sundar Lal	Ditto ..	III
2034	Khalique-ul-Wahhab Hazratji ..	Ditto ..	III
2038	Tara Kumar Nandi .. .	Ditto ..	II
2039	Tara Singh . ..	Ditto ..	II
2041	Uma Shankar Srivastava ..	Ditto ..	II
2042	Utsab Kumar Bose	Ditto ..	II
2043	Vidya Prakash Srivastava ..	Ditto ..	II
2044	Vasi Haider	Ditto ..	II
2047	Yagya Datta Gupta ..	Ditto ..	II

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2049	Kailash Chandra	Lucknow Christian College, Lucknow.	Passed.
2050	Radhey Shyam	Ditto ..	Passed.
2051	Ahmad Shafi Zaidi . ..	Kanya Kubja Intermediate College, Lucknow.	III
2052	Amarendra Nath Mittra ..	Ditto ..	III
2053	Avadhesh Dayal Srivastav ..	Ditto ..	III
2056	Chandrika Prasad Kharo ..	Ditto ..	III
2057	Din Dayal Agarwala.. ..	Ditto ..	II
2059	Jai Narayan Bajpai	Ditto ..	III
2060	Kunwar Chandra Prakash Singh Bais	Ditto ..	III
2066	Purna Nand	Ditto ..	III
2068	Ram Ashraya Tewari ..	Ditto ..	III
2070	Ram Shankar Srivastava ..	Ditto ..	III
2074	Satyadeva Pande	Ditto ..	II

Roll no.	Name of candidate.	Name of College.	Passed in division.
2075	Shiva Kumar Avasthi ..	Kanya Kubja Intermediate College, Lucknow	II
2076	Shri Narain Srivastava ..	Ditto ..	III
2079	Tribhawan Nath Srivastava ..	Ditto ..	III
2080	Uma Shankar Pande ..	Ditto	II
2081	Uma Shankar Awasthi ..	Ditto ..	III
2084	Anand Swarup Sharma ..	Meerut College, Meerut.	III
2085	Anath Krishna Mukerjee ..	Ditto ..	III
2086	Asghar Husain	Ditto ..	III
2088	Autar Singh	Ditto ..	III
2089	Babu Ram	Ditto ..	II
2090	Babu Ram Pathak . ..	Ditto	II
2091	Baljit Singh	Ditto ..	II
2092	Benarsi Das	Ditto ..	III
2094	Bhushan Saran	Ditto ..	III
2095	Bikram Singh Bishnoi ..	Ditto ..	III
2098	Bishan Kumar . ..	Ditto ..	III
2100	Bishan Sarup Bhatnagar ..	Ditto .	III
2101	*Chaman Lal . ..	Ditto ..	II
2104	Darshan Singh Negi .	Ditto ..	III
2105	Data Ram Singh	Ditto ..	II
2107	Dharma Prakash	Ditto ..	III
2109	Fazle Ahmad	Ditto ..	II
2110	Gajraj Singh Varma (Primus) ..	Ditto ..	III
2114	Gauri Sharan Sharma .	Ditto ..	II
2115	Ghanshyam Singh	Ditto ..	III
2116	Ghulam Ahmad	Ditto ..	II
2117	Gopal Pyare .. .	Ditto .	III
2125	Jagdish Bahadur Saksena ..	Ditto ..	III
2127	Jaipal Singh Sirohi	Ditto ..	II
2129	Kanti Prakash	Ditto ..	III
2131	Khalil uddin Ahmad ..	Ditto ..	III
2134	Lakshmi Behari Lal Saxena ..	Ditto ..	II
2137	Madan Gopal	Ditto ..	III
2139	Mahavir Prasad	Ditto ..	II
2140	Mahesh Chandra Tiagi .	Ditto ..	III
2143	Manzur Ahmad . .	Ditto ..	III
2144	Meher Chand Mittal ..	Ditto ..	III
2145	Mohammad Zulqarnain ..	Ditto ..	III

* Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2147	Muhammad Nasim Siddiqi	Meerut College, Meerut.	III
2150	Mutsaddi Lal	Ditto	II
2152	Nazar Ahmad	Ditto	III
2153	Niranjan Singh	Ditto	III
2154	Nisar Ahmad	Ditto	III
2155	Padam Chand Verma	Ditto	II
2156	Pirduman Krishna	Ditto	III
2157	Praduman Krishna	Ditto	III
2160	Qazi Hidayatur Rahman Siddiqi Mohsini.	Ditto	III
2161	Rajendra Datt Sharma	Ditto	III
2162	Ram Chandra	Ditto	III
2163	Ram Saran Das Gupta	Ditto	II
2166	Ratan Lal Gupta	Ditto	III
2167	Rizwanul Haq	Ditto	III
2168	Said Ahmad	Ditto	III
2173	Sarjit Singh	Ditto	III
2174	Asghar Ali Zubzwar	Ditto	III
2175	Shailendra Nath Banerjee	Ditto	III
2180	Shiva Chandra Garga	Ditto	III
2181	Shri Chand Jain	Ditto	III
2182	Shri Krishna Gupta	Ditto	III
2185	Sumer Chand Jain	Ditto	II
2186	Syed Inam Husain Naqavi	Ditto	III
2189	Tirloki Nath	Ditto	III
2192	Wali-ud-din Ahmad	Ditto	II
2197	Alim-ud-din	Ditto	III
2203	Brijindra Nath Kak	Ditto	II
2206	Chaman Singh Joshan	Ditto	III
2207	Data Râm	Ditto	III
2209	Deoki Nandan Goel	Ditto	II
2213	Govind Saran Lal Bhatnagar	Ditto	III
2216	Ishwar Swarup Rajbunshi	Ditto	II
2217	Jagdish Gopal	Ditto	II
2219	Jagdish Prasad Sharma	Ditto	III
2220	Jia Ram	Ditto	II
2228	Joginder Singh	Ditto	III
2230	Joti Prasad Jain	Ditto	II
2232	Kailash Chandra	Ditto	II
2234	Kamta Prasad Jain	Ditto	III
2237	Keshava Chandra Bugga	Ditto	II

Roll no.	Name of candidate.	Name of College.	Passed in division.
2238	Krishna Chandra Garga	.. Meerut College, Meerut	III
2241	Lokmani Lal	Ditto	II
2242	Mahabir Saran Dass	Ditto	II
2245	Mohan Singh	Ditto	III
2246	Mohd. Sultan Bukhari	Ditto	III
2251	Nihal Singh	Ditto	III
2252	Om Prakash Bansal	Ditto	III
2253	Permeshwar Dayal	Ditto	III
2254	Pooran Chandra Sharma	Ditto	III
2257	Ramavatar	Ditto	II
2265	Ranbir Singh	Ditto	III
2266	R. Sitha Raman	Ditto	III
2267	Rup Chandra Jain	Ditto	II
2274	Shiam Lal	Ditto	III
2275	Shiam Manohar Lal	Ditto	III
2276	Shiva Prasad Sharma	Ditto	III
2279	Sri Ram Jairath	Ditto	III
2280	Subodh Kumar Mukerji	Ditto	III
2283	*Trilok Chand	Ditto	II
2284	Yajna Datta Gautam	Ditto	III
2285	Yashwant Rai Garg	Ditto	III
2286	Zafar-ud-din Ahmad Khan	Ditto	III

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2287	Debi Prasad Sharma	.. Meerut College, Meerut	Passed.
2288	Krishna Behari Lal Misra	Ditto	Passed.
2289	Sia Ram Gupta	Ditto	Passed.
2294	Badri Das Chaturvedi	.. Government Intermediate College, Moradabad.	III
2295	*Badruddin Ahmad	Ditto	II
2297	Bhoneshwari Dayal Srivastava	Ditto	III
2298	Bir Singh	Ditto	III
2299	Brij Nandan Saran	Ditto	III
2300	Dharam Prakash	Ditto	III
2301	Ganga Saran Bhatnagar	Ditto	III
2302	Ghanshyam Singh Verma	Ditto	II
2306	Hamid Uddin	Ditto	III
2307	Har Kishan Das Tandon	Ditto	II
2308	Harihar Prakash	Ditto	III

* Distinguished in Mathematics.

Roll no.	Name of candidate.	Name of College.	Passed in division.
2310	*Ishwar Das Kapoor ..	Government Intermediate College, Moradabad.	II
2312	Kameshwar Deva Shandilya ..	Ditto ..	II
2313	Keshav Saran Gupta ..	Ditto ..	III
2314	Lakshmi Narayan Gupta ..	Ditto ..	II
2317	Muhammad Abdul Wahid ..	Ditto ..	III
2319	*Muhammad Ahmad Khan ..	Ditto ..	II
2320	Muhammad Akhtar Husain ..	Ditto ..	II
2324	Prithwi Raj Misra	Ditto ..	III
2325	Qazi Mujtaba Hasan Zinjani	Ditto ..	II
2326	Raghubans Sarup Bhatnagar ..	Ditto ..	III
2327	Raja Ram Sharma	Ditto ..	III
2331	Saiyid Iqbal Hasan Zaidi ..	Ditto ..	III
2332	Saiyid Majid Ali Jafri ..	Ditto ..	II
2333	Saiyid Mohasin Husain Naqavi ..	Ditto ..	III
2336	Talib Husain	Ditto ..	III
2337	Tek Chand	Ditto ..	III
2338	Vishnu Kirti Saran Agarwal ..	Ditto ..	III
2339	Vishwanath Shunda ..	Ditto ..	III
2340	Zahur-ul-Hasan	Ditto ..	III

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Roll no.	Name of candidate.	Name of College.	Passed in division.
2341	Krishna Narain Mathur ..	Government Intermediate College, Moradabad.	Passed.
2342	Basudeo Sharma	N. R. E. C. Intermediate College, Khurja.	II
2343	Budh Sen . ..	Ditto ..	III
2346	Govind Narain Tiwari ..	Ditto ..	II
2347	Har Narain Sharma .. .	Ditto ..	III
2349	Kalyan Rai Upadhyai ..	Ditto ..	III
2350	Lakshmi Narayan Sharma ..	Ditto ..	III
2352	Manik Chand Gupta ..	Ditto ..	II
2353	Mashuq Ali Khan Kheshgi ..	Ditto ..	III
2354	Misri Lall Sharma . ..	Ditto ..	II
2355	Muhammad Rashid Khan ..	Ditto ..	II
2356	Murari Lal . ..	Ditto ..	III
2357	Murli Dhar Singhal . ..	Ditto ..	II
2358	Nand Kishor Sharma ..	Ditto ..	III
2359	Naraindra Sharma	Ditto ..	II
2360	Narayan Sharan Jain ..	Ditto ..	II

* Distinguished in Mathematics.

Roll no.	Name of candidate.	Name of College	Passed in division.
2363	Ranbir Singh	N. R. E. C. Intermediate College, Khurja.	III
2367	Udaibir Singha	Ditto	III
2368	Aryandra Singh Varma	Ditto	III
2369	Bankey Lal	Ditto	III
2370	Beni Prakash Singhal	Ditto	III
2371	*Brij Mohan Lal	Ditto	I
2372	Chandra Swarup Kashyap	Ditto	III
2373	†Chiranji Lal Mohta	Ditto	II
2374	Debi Parshad Gupta	Ditto	III
2376	Harbans Swarup	Ditto	II
2379	Kunwar Ravindra Singh Rawal	Ditto	II
2380	Madho Shanker Raizada	Ditto	III
2381	Mahipal Gupta	Ditto	II
2382	Mohini Mohan Sharma	Ditto	III
2383	Parma Nand Mudgal	Ditto	II
2384	‡Prabhu Datta Sharma	Ditto	II
2386	Rama Nand Sharma	Ditto	II
2387	Ramji Lal Sharma	Ditto	III
2388	Ram Phal Misra	Ditto	II
2389	Sukh Nandan Lal Mathur	Ditto	III

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2390	Baha-ud-din Hasan	N. R. E. C. Intermediate College, Khurja	Passed.
2391	Harpal Singh Naresh	Ditto	Passed.
2392	Asa Ram	S. M. Intermediate College, Chandausi	III
2393	Banwari Lal	Ditto	III
2395	Bhagwan Chandra Mehrotra	Ditto	III
2397	Brij Bahadur Singh Vaish	Ditto	III
2398	Chaitanya Swarup Varma	Ditto	III
2400	Daya Nand Gupta	Ditto	III
2402	†Durga Das Pathak	Ditto	II
2403	Gyan Chandra Gupta	Ditto	III
2405	Hari Kishan	Ditto	III
2409	Jawala Prasad Agarwala	Ditto	II

* Distinguished in Mathematics.

† Distinguished in Mathematics and Chemistry.

‡ Distinguished in Chemistry.

Roll no.	Name of candidate.	Name of College.	Passed in division.
2411	Kailash Chandra	S. M. Intermediate College, Chandausi.	III
2412	Kanti Prasad Gupta ..	Ditto ..	III
2415	Kishori Lal Sharma	Ditto ..	II
2418	Prakash Chandra Jain ..	Ditto ..	III
2419	*Radhaya Shyam Chhattra* ..	Ditto ..	III
2420	Raj Kumar Sharma	Ditto ..	III
2421	Raj Kumar Singh	Ditto ..	III
2422	Raj Narain Varshniya ..	Ditto ..	III
2423	*Ram Chandra Sharma ..	Ditto ..	II
2424	Ram Krishna Gupta.. ..	Ditto ..	III
2425	Ram Murti	Ditto ..	III
2426	Satish Chandra Agarwal ..	Ditto ..	III
2427	Sarswati Prasad Saxena ..	Ditto ..	II
2430	Shree Gopal Sharma ..	Ditto ..	II
2431	Sohan Lal Gupta ..	Ditto ..	II
2432	Sohan Singh	Ditto ..	II
2433	Vishweshwar Dayal ..	Ditto ..	III
2435	Ahmad Khan ..	Private candidates—Centre—St. John's College, Agra.	II
2438	Beni Ram Jain	Ditto ..	III
2439	Bhagwati Narain Mathur ..	Ditto ..	III
2442	Braj Bhushan Lal Sharma ..	Ditto ..	III
2445	Edward Joseph ..	Ditto ..	III
2446	Ganeshi Lal Athaiya ..	Ditto ..	III
2447	Gaya Prasad Yadava ..	Ditto ..	III
2448	Gopal Nath Bajel ..	Ditto ..	III
2451	Hira Lal ..	Ditto ..	III
2452	Hari Lal Sharma	Ditto ..	III
2455	Jamna Nath Bajel ..	Ditto ..	III
2458	Krishna Behari Lal Mathur ..	Ditto ..	III
2459	Lala Ram Sharma	Ditto ..	III
2460	Raj Narain Sharma ..	Ditto ..	III
2470	Raj Kishore Bajel	Ditto ..	III
2477	Rup Singh Chauhan ..	Ditto ..	III
2479	Sarkar Saran Bhargava ..	Ditto ..	III
2484	Sunder Lal	Ditto ..	III

* Distinguished in Sanskrit.

Roll no.	Name of candidate.	Name of College	Passed in division.
2485	Surendra Nath Dube ..	Private candidates—Centre—St. John's College, Agra.	III
2486	Syed Elyas Ali	Ditto ..	II
2488	Vishnu Kumar Gupta ..	Ditto ..	III

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Roll no.	Name of candidate.	Name of College	Passed in division.
2489	Aman Singh	Private candidates—Centre—St. John's College, Agra.	Passed.
2490	Jaideo Kulshrestha	Ditto ..	Passed.
2491	Sarju Prasad Sharma ..	Ditto ..	Passed.

Additional optional subject.

Roll no.	Name of candidate.	Name of College	Passed in division.
2492	Bhojraj Shukla	Private candidates—Centre—St. John's College, Agra.	Passed.
2498	Abdul Qaiyum Ansari ..	Private candidates—Centre—Government Intermediate College, Allahabad.	III
2499	Badri Prasad Srivastava ..	Ditto ..	III
2502	Bella Violet Singh (Miss) ..	Ditto ..	III
2505	Bishwa Nath Pandit.. ..	Ditto ..	III
2509	Ganga Prasad Srivastava ..	Ditto ..	III
2511	Hanuman Prasad Sinha ..	Ditto ..	III
2514	Hori Lal Gupta	Ditto ..	II
2515	Indumati Sharma (Mrs.) ..	Ditto ..	III
2517	Jagdhari Pande	Ditto ..	III
2521	Lois May Nicoll (Miss) ..	Ditto ..	II
2523	Munawwar Ali	Ditto ..	III
2527	Muhammad Halim Khan ..	Ditto ..	III
2532	Narottam Prasad Gupta ..	Ditto ..	III
2534	Radha Mohan Sinha ..	Ditto ..	III
2546	Snehalata Das (Miss) ..	Ditto ..	III
2547	Sudha Dhar (Miss)	Ditto ..	III
2548	Syed Abid Ali	Ditto	II
2550	Thakur Charan		III

Roll no.	Name of candidate.	Name of College.	Passed in division.
	Under Regulation 18, Chapter XII of the Board's Regulations.		
2553	Chedi Lall Sharma ..	.. Private candidates—Centre—Government Intermediate College, Allahabad.	Passed.
2554	Govind Prasad Shukla ..	Ditto ..	Passed.
2556	Syed Jalil Akhtar ..	.. Ditto ..	Passed.
2557	Ram Sevak Pande ..	.. Ditto ..	Passed.
	Additional optional subject.		
2558	Muhammad Noman Khan	.. Private candidates—Centre—Government Intermediaate College, Allahabad.	Passed.
	Under Regulation 7, Chapter XIV of the Board's Regulations.		
2559	Muhammad Abdul Mahood	.. Private candidates—Centre—Government, Intermediate College, Allahabad.	Passed.
2563	Lakshmi Dat Joshi ..	.. Private candidates—Centre—Government Intermediate College, Almora.	III
2570	Asbury Steven Paul	.. Private candidates—Centre—Bareilly College, Bareilly.	III
2572	Brij Mohan Lall Saxena	Ditto ..	III
2573	Charan Behari Lall ..	.. Ditto ..	III
2574	Chhote Lal Jauhari .	.. Ditto ..	III
2575	Cyril Samuel Falls .	.. Ditto ..	III
2577	Gopi Ballabh Katiha	.. Ditto ..	III
2587	Samson Paul ..	.. Ditto ..	III
2588	Shanti Nandan Sharma	.. Ditto ..	III
	Under Regulation 18, Chapter XII of the Board's Regulations.		
2592	Brahm Narayan Agarwal	.. Private candidates—Centre—Bareilly, College, Bareilly.	Passed.
2593	Raghunandan Prasad	.. Ditto ..	Passed.
	Under Regulation 7, Chapter XIV of the Board's Regulations.		
2595	Rang Narain Dass ..	.. Private candidates—Centre—Bareilly College, Bareilly.	Passed.

Roll no.	Name of candidate.	Name of College	Passed in division.
2603	Banwari Singh ..	.. Private candidates—Centre—Queen's Intermediate College, Benares	III
2606	Brajamadhab Bhattacharya ..	Ditto ..	II
2608	Chandra Dutt Lal	Ditto ..	III
2610	Chaudhary Bhuwaneshwar Prasad Singh.	Ditto ..	III
2613	Gopi Ballabh Dikshit	Ditto ..	II
2617	Kamla Prasad Varma .	Ditto ..	III
2623	Padma Nath Singh ..	Ditto ..	II
2627	Ram Bujharath Misra ..	Ditto ..	III
2633	Ram Sharan Rai	Ditto ..	III
2635	Saheb Lal Srivastava ..	Ditto ..	III
2638	Sham Sher Bahadur Singh ..	Ditto ..	III
2645	Tarapada Bhattacharya ..	Ditto ..	III

Under Regulation 18, Chapter XII of the Board's Regulations.

2647	Aparabal Singh ..	.. Private candidates—Centre—Queen's Intermediate College, Benares.	Passed.
2648	Badri Dutt Joshi	Ditto ..	Passed.
2649	Nawal Kishore Singh ..	Ditto ..	Passed.

Under Regulation 7, Chapter XIV of the Board's Regulations.

2652	Jiwan Das ..	.. Private candidates—Centre—Queen's Intermediate College, Benares.	Passed.
2658	Digbijai Singh Chauhan ..	Private candidates—Centre—Christ Church College, Cawnpore.	III
2660	Hanuman Prasad Gupta ..	Ditto ..	III
2662	Ishwar Chandra	Ditto ..	III
2665	Jagdish Narayan Malaviya ..	Ditto ..	III
2671	Mahmud Hasan	Ditto ..	III
2672	Moti Lal Agarwal	Ditto ..	III
2673	Narain Dutt Misra	Ditto ..	III
2677	Ram Nath Gupta	Ditto ..	III
2679	(Miss) Ruth Johnson ..	Ditto ..	II

Roll no.	Name of candidate.	Name of College.	Passed in division.
2680	Saiyed Mustafa Ahmad Naqvi ..	Private candidates—Centre—Christ Church College, Cawnpore.	III
2682	Satya Narayan Pandeya ..	Ditto ..	III
2683	Shambhu Ratan Shukla ..	Ditto ..	III
2686	Shyam Manohar Srivastava ..	Ditto ..	II
2687	Shyam Sunder Shukla ..	Ditto ..	III
2689	Suraj Kumar Tewari ..	Ditto ..	III
2690	Suraj Narain Sabharwal ..	Ditto ..	III
2693	Yeshawant Singh	Ditto ..	III

Under Regulation 18, Chapter XII of the Board's Regulations.

Roll no.	Name of candidate.	Name of College.	Passed in division.
2694	Bhup Narayan Misra ..	Private candidates—Centre—Christ Church College, Cawnpore.	Passed.
2695	Hari Shanker Gupta ..	Ditto ..	Passed.
2696	Adi Nath Misra	Ditto ..	Passed.
2701	Herbert James Enwright ..	Private candidates—Centre—D. A.-V. Intermediate College, Dehra Dun.	II
2703	Mangoo Singh Verma ..	Ditto ..	III
2705	Vidya Dat Bahukhandi ..	Ditto ..	III

Under Regulation 18, Chapter XII of the Board's Regulations.

Roll no.	Name of candidate.	Name of College.	Passed in division.
2706	Ajodhya Prasad Saksena ..	Private candidates—Centre—D. A.-V. Intermediate College, Dehra Dun.	Passed.
2709	Brahma Saran Mathur ..	Private candidates—Centre—Government Intermediate College, Etawah.	III
2710	Narbada Saran Srivastava ..	Ditto ..	III

Under Regulation 18, Chapter XII of the Board's Regulations.

Roll no.	Name of candidate.	Name of College.	Passed in division.
2712	Ram Swaroop Rawat ..	Private candidates—Centre—Government Intermediate College, Etawah.	Passed.

Roll no.	Name of candidate.	Name of College	Passed in division.
2714	Bindeshwari Prasad Upadhya	Private candidates—Centre—Government Intermediate College, Fyzabad.	III
2724	Onkar Nath Dang	Ditto	III
2725	Ram Achal Pande	Ditto	II
2728	Shaikh Ashiq Husain	Ditto	III
2732	Bishwa Nath Prasad Misra	Private candidates—Centre—St. Andrew's College, Gorakhpur.	III
2737	Oudh Bihari Lal	Ditto	III
2742	Udai Narain Gaur	Ditto	II

Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.

Roll no.	Name of candidate.	Name of College	Passed in division.
2743	Muhammad Shamsul Jalil	Private candidates—Centre—St. Andrew's College, Gorakhpur.	Passed.
2748	Miss Chung Hing	Private candidates—Centre—Isabella Thoburn College, Lucknow.	III
2749	Lilawati Violet Dennis (Miss)	Ditto	II
2750	Savitri Devi Srivastava (Miss)	Ditto	II
2769	Habibur Rahman Khan	Private candidates—Centre—Government Jubilee Intermediate College, Lucknow.	III
2771	Harish Chandra Agarwala	Ditto	III
2772	Iqbal Ahmad Shah	Ditto	III
2774	Jagdamba Prasad Saksena	Ditto	II
2778	Krishna Nand Sriwastava	Ditto	III
2779	Krishna Datta Tripathi	Ditto	III
2783	Mahmudul Haq Usmani	Ditto	III
2785	Mirza Muhammad Haider	Ditto	III
2792	Murli Dhar Chaturvedi	Ditto	III
2797	Rajendra Singh	Ditto	III
2799	Reuben Newton Solomon	Ditto	III

Roll no.	Name of candidate.	Name of College.	Passed in division.
2680	Saiyed Mustafa Ahmad Naqvi	.. Private candidates—Centre—Christ Church College, Cawnpore.	III
2682	Satya Narayan Pandeya	.. Ditto ..	III
2683	Shambhu Ratan Shukla	.. Ditto ..	III
2686	Shyam Manohar Srivastava	.. Ditto ..	II
2687	Shyam Sunder Shukla	.. Ditto ..	III
2689	Suraj Kumar Tewari	.. Ditto ..	III
2690	Suraj Narain Sabharwal	.. Ditto ..	III
2693	Yeshawant Singh ..	.. Ditto ..	III

Under Regulation 18, Chapter XII of the Board's Regulations.

Roll no.	Name of candidate.	Name of College.	Passed in division.
2694	Bhup Narayan Misra	.. Private candidates—Centre—Christ Church College, Cawnpore.	Passed.
2695	Hari Shanker Gupta	.. Ditto ..	Passed.
2696	Adi Nath Misra ..	.. Ditto ..	Passed.
2701	Herbert James Enright	.. Private candidates—Centre—D. A.-V. Intermediate College, Dehra Dun.	II
2703	Mangoo Singh Verma	.. Ditto ..	III
2705	Vidya Dat Bahukhandi	.. Ditto ..	III

Under Regulation 18, Chapter XII of the Board's Regulations.

Roll no.	Name of candidate.	Name of College.	Passed in division.
2706	Ajodhya Prasad Saksena	.. Private candidates—Centre—D. A.-V. Intermediate College, Dehra Dun.	Passed.
2709	Brahma Saran Mathur	.. Private candidates—Centre—Government Intermediate College, Etawah.	III
2710	Narbada Saran Srivastava	.. Ditto ..	III

Under Regulation 18, Chapter XII of the Board's Regulations.

Roll no.	Name of candidate.	Name of College.	Passed in division.
2712	Ram Swaroop Rawat	.. Private candidates—Centre—Government Intermediate College, Etawah.	Passed.

Roll no.	Name of candidate.	Name of College.	Passed in division.
2714	Bindeshwari Prasad Upadhya ..	Private candidates—Centre—Government Intermediate College, Fyzabad.	III
2724	Onkar Nath Dang	Ditto ..	III
2725	Ram Achal Pande . ..	Ditto ..	II
2728	Shaikh Ashiq Husain .	Ditto ..	III
2732	Bishwa Nath Prasad Misra .	Private candidates—Centre—St. Andrew's College, Gorakhpur.	III
2737	Oudh Bihari Lal . .	Ditto ..	III
2742	Udai Narain Gaur	Ditto ..	II

Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.

Roll no.	Name of candidate.	Name of College.	Passed in division.
2743	Muhammad Shamsul Jalil ..	Private candidates—Centre—St. Andrew's College, Gorakhpur.	Passed.
2748	Miss Chung Hing .. .	Private candidates—Centre—Isabella Thoburn College, Lucknow.	III
2749	Lilawati Violet Dennis (Miss) ..	Ditto ..	II
2750	Savitri Devi Srivastava (Miss) ..	Ditto ..	II
2769	Habibur Rahman Khan ..	Private candidates—Centre—Government Jubilee Intermediate College, Lucknow.	III
2771	Harish Chandra Agarwala ..	Ditto ..	III
2772	Iqbal Ahmad Shah	Ditto ..	III
2774	Jagdamba Prasad Saksena ..	Ditto ..	II
2778	Krishna Nand Sriwastava ..	Ditto ..	III
2779	Krishna Datta Tripathi ..	Ditto ..	III
2783	Mahmudul Haq Usmani ..	Ditto ..	III
2785	Mirza Muhammad Haider ..	Ditto ..	III
2792	Murli Dhar Chaturvedi ..	Ditto ..	III
2797	Rajendra Singh	Ditto ..	III
2799	Reuben Newton Solomon ..	Ditto ..	III

APPENDIX H.

List of apparatus and chemicals for an Intermediate College and a High School.

Section A.

(For 24 boys in a class.)

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	Quantity. B	PHYSICS (GENERAL).
12 ..	12 ..	Balances, 250 g.m. in cases, beams graduated.
12 .	12 .	Weight Boxes from 1 g.m. to 100 g.m.
2 ..	12 ..	Ditto ·001 g.m. to 100 g.m.
4 ..	4 ..	Spring balance, to weigh 10 lb.
2 sets	2 sets	Weights, ¼ oz. to 1 lb.
2 doz.	2 doz.	Half Metre Rules, Maple Wood, cm. on one side and inches on the other.
1 ,,	2 ,,	Metre Rules, ditto.
..	2 .	Screw Gauges, ordinary.
..	2 ..	Ditto good quality, with ratchet.
.	6 .	Clamp Pulleys, brass.
1 doz.	1 doz.	Protractors, brass, ordinary.
..	4 ..	Hare's apparatus, simple form.
1 doz.	1 doz	Stools for specific gravity experiments.
16 only	16 only	Bunsen Burners or Spirit Lamps.
2 doz.	2 doz.	Retort stands, with clamps, small; base 7"×4" with rod 24".
2 ,,	2 ,,	Tripods, triangular top.
1 lb.	2 lb	Lead shot.
1 ,,	2 ,,	Mercury pure .
1 ..	1 ..	Mercury Tray.
..	10 ft.	Rubber tubing, thin, 1/8" pressure.
2 doz.	3 doz.	Flasks, flat-bottom, 200 C.C.
1 ,,	1 ,,	Ditto 100 C.C.
2 ,,	3 ,,	Ditto 500 C.C.
3 ,,	3 ,,	Beakers, with spout, ht. 6 cm. 100 C.C.
3 ,,	3 ,,	Ditto ht. 9 cm. 250 C.C.
..	1 ,,	Ditto ht. 14·5 cm. 1,000 C.C.
1 gross	1 gross	Corks, assorted.
5 lb.	5 lb.	Glass tubing 5 m.m., 8 m.m. and 10 m m.
..	1 ,,	Glass rod.
..	1 ,,	Thermometer tubing.
1 gross	1 gross	Test-tubes, 5"×5/8".
2 only	2 only	Relative density bottles (small flasks can be used).
1 doz.	1 doz.	Graduated jars, 100 C.C.
..	6 only	Vernier Callipers.
..	4 ,,	Spherometers.
..	2 ,,	Pendulums for "G" experiment.

Section A—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only

Quantity.		
A	B	PHYSICS (GENERAL)—(*continued*).
..	1 set	Pulley System.
..	6 only	Hooks Law apparatus (cheap form).
..	1 "	Fortins Barometer (student's form).
..	2 ..	Stop-watches (cheap form).
..	3 ..	Hydrometers.
12 pairs	12 pairs	Compasses.
4 "	4 "	
2 reels	2 reels	
12 pairs	12 pairs	
2 quires	2 quires	
2 "	2 "	
12 ..	12 ..	
12 ..	12 ..	
24 ..	24 ..	[illegible]
3	3	Ditto 4 cm. do.
1 ..	1	Cube truly cut in hardwood 10 cm. do.
1 .	1 ..	Ditto 1 ft. do.
3 ..	3 .	Rectangular blocks (wood) graduated in inches, 4″×3″×1″.
3 ..	3 .	Ditto ditto 4″×3″×2″.
3 ..	3 ..	Ditto ditto 4″×3″×4″.
24 ..	24 ..	Cylinders truly cut in hardwood, dia. 3 cm. and height 5 cm.
3 ..	3 ..	Spheres truly cut in hardwood, dia. 4 cm.
1 ..	1 ..	Wooden rectangular prism, 5×4×3 cm., graduated in cm., top layer, one row and one cube removable.
6 ..	6 ..	Graduated glass cylinders, 500 C.C. } 2 each.
		Ditto 300 C.C. } 2 each.
		Ditto 50 C.C. } 2 each.
1 ..	1 ..	Litre glass jugs, graduated
1 ..	1 ..	Pint ditto.
2 sets	2 sets	*Small cylinders of iron, brass, copper, and tin, of the same dimensions.*
2 " ..	2 " ..	Small cubes of iron, brass, copper, and tin, of the same dimensions.
1 set ..	1 set ..	Brass bucket and cylinder for verification of Archimedes' principle.
12 ..	12 ..	Tin chimneys for spirit lamps, if required.
12 ..	12 ..	Clay-pipe triangles.
16 pieces	16 pieces	Wire gauze, 6″ square, 30 meshes.
12 ..	12 ..	Iron tongs, 6″ long, plain.
12 ..	12 ..	Glass Flasks, round bottom, 500 C.C.

APPENDIX H.

List of apparatus and chemicals for an Intermediate College and a High School.

Section A.

(For 24 boys in a class.)

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A	B	PHYSICS (GENERAL).
12 ..	12 ..	Balances, 250 g.m. in cases, beams graduated.
12 ..	12 ..	Weight Boxes from 1 g.m. to 100 g.m.
2 ..	12 ..	Ditto ·001 g.m. to 100 g m.
4 ..	4 ..	Spring balance, to weigh 10 lb.
2 sets	2 sets	Weights, ¼ oz. to 1 lb.
2 doz.	2 doz.	Half Metre Rules, Maple Wood, cm. on one side and inches on the other.
1 ,,	2 ,,	Metre Rules, ditto.
.	2 ..	Screw Gauges, ordinary.
..	2 ..	Ditto good quality, with ratchet.
..	6 .	Clamp Pulleys, brass.
1 doz.	1 doz.	Protractors, brass, ordinary.
.	4 ..	Hare's apparatus, simple form.
1 doz.	1 doz.	Stools for specific gravity experiments.
16 only	16 only	Bunsen Burners or Spirit Lamps.
2 doz.	2 doz.	Retort stands, with clamps, small; base 7"×4" with rod 24".
2 ,,	2 ,,	Tripods, triangular top.
1 lb.	2 lb.	Lead shot.
1 ,,	2 ,,	Mercury pure.
1 ..	1 .	Mercury Tray.
..	10 ft.	Rubber tubing, thin, 1/8" pressure.
2 doz.	3 doz.	Flasks, flat-bottom, 200 C.C.
1 ,,	1 ,,	Ditto 100 C.C.
2 ,,	3 ,,	Ditto 500 C.C.
3 ,,	3 ,,	Beakers, with spout, ht. 6 cm. 100 C C.
3 ,,	3 ,,	Ditto ht. 9 cm. 250 C.C.
..	1 ,,	Ditto ht. 14·5 cm. 1,000 C.C.
1 gross	1 gross	Corks, assorted.
5 lb.	5 lb.	Glass tubing 5 m m., 8 m.m. and 10 m.m.
..	1 ,,	Glass rod.
..	1 ,,	Thermometer tubing.
1 gross	1 gross	Test-tubes, 5"×5/8".
2 only	2 only	Relative density bottles (small flasks can be used).
1 doz.	1 doz	Graduated jars, 100 C.C.
..	6 only	Vernier Calipers.
..	4 ,,	Spherometers.
..	2 ,,	Pendulums for "G" experiment.

Section A—*(continued)*.

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity		
A	B	PHYSICS (GENERAL)—*(continued)*.
..	1 set	Pulley System.
..	6 only	Hooks Law apparatus (cheap form).
..	1 "	Fortins Barometer (student's form).
..	2	Stop watches (cheap form).
..	3 .	Hydrometers.
pairs	12 pairs	Compasses.
4 "	4 "	Scissors.
2 reels	2 reels	Linen thread no. 20
pairs	12 pairs	Inside and Outside Callipers, graduated.
2 quires	2 quires	M. M. Square paper, 9"×7" (nearly).
2 "	2 "	Squared paper in inches and tenths of an inch.
12 .	12 ..	Set squares, 60°.
12 ..	12 .	Set squares, 45°.
24 .	24	Cubes truly cut in hardwood, 1 cm. edge.
3	3 .	Ditto 4 cm. do.
1 ..	1 .	Cube truly cut in hardwood 10 cm. do.
1 .	1 ..	Ditto 1 ft. do.
3 ..	3 .	Rectangular blocks (wood) graduated in inches, 4"×3"×1".
3 ..	3 .	Ditto ditto 4"×3"×2".
3 .	3	Ditto ditto 4"×3"×4".
24 ..	24 ..	Cylinders truly cut in hardwood, dia. 3 cm. and
3 ..	3 ..	
1 ..	1 ..	
		able.
6 ..	6 .	Graduated glass cylinders, 500 C.C. } 2 each. Ditto 300 C.C. Ditto [illegible]
1 ..	1 ..	
1 ..	1 .	
2 sets	2 sets	and tin, of
2 " ..	2 " ..	Small cubes of iron, brass, copper, and tin, of the same dimensions.
1 set ..	1 set ..	Brass bucket and cylinder for verification of Archimedes' principle.
12 ..	12 ..	Tin chimneys for spirit lamps, if required.
12 ..	12 ..	Clay pipe triangles.
16 pieces	16 pieces	Wire gauze, 6" square, 30 meshes.
12 ..	12 ..	Iron tongs, 6" long, plain.
12 ..	12 ..	Glass Flasks, round bottom, 500 C.C.

Section A—(*concluded*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	B	MAGNETISM AND ELECTRICITY—(*concluded*).
2 doz.	2 doz.	Binding Screws.
..	1 only	Copper Voltameter.
1 ..	1 ..	Voltameter for electrolysis of water.
½ lb. ..	2 lb ..	Copper sulphate.
½ „ ..	1 „ ..	Zinc sulphate.
3 ..	3 ..	Sal Ammoniac.
..	2	Galvanometers—Tangent.
..	2 ..	Mirror Galvanometers (Steward); with lamps and scale.
..	1 ..	D'Arsonval Galvanometer.
..	4 ..	Wheatstone Bridges, cheap.
1 ..	1 ..	Dip circle (simple form).
1 doz.	1 doz	Magnets, small, 6".
..	1	Ammeter (cheap with 1—5 amperes range) 1/10"
..	1 set ..	Resistances.
..	1 ..	Condensers (simple plate).
..	1 ..	Model of a Dynamo.
1 lb. each	1 lb. each	*Copper Wire, nos. 18, 20, 26.*
..	1 lb. ..	Ditto Silk covered.
..	1 reel	Unspun Silk.
..	¼ lb. ..	Soft Red Wax.
..	1 ..	Voltameter, cheap (1—10 volts, 1/10).
..	2 ..	Reversing Keys.
1 ..	1 ..	Electric Bell.
1 ..	1 ..	Electrophorus.
1 ..	1 ..	Morse Key.
1 ..	1 ..	Piece Lode Stone.
1 ..	1 ..	Horse-shoe magnet with armature, 6".
1 ..	1 ..	*Packet steel knitting needles.*
1 doz.	1 doz.	Sewing needles.
1 ..	1 ..	Flat cast-iron rod, 1" long.
1 doz.	1 doz.	Steel clock springs.
1 ..	1 ..	Glass rod, 12".
9 ..	9 ..	Ebonite rods, 12".
2 ..	2 ..	Shellac rods, 12".
12 pieces	12 pieces	Flannel.
2 „ ..	2 „ ..	Silk.
2 ..	2 ..	Pith-ball pendulums.
2 ..	2 ..	Simple cell elements.
2 ..	2 ..	Magnetic needles and stands, 3" and 6".

Section B.

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only

Quantity. A	Quantity. B	PHYSICS WORK BENCH TOOLS.
1	1	Cutting pliers.
1	1	Ditto flat nose.
..	1	Bench hack saw.
1	2	Hammers.
2	3	Screw drivers (set of three).
2	6	Triangular and square files.
1	2	*Flat files.*
1	2	Half round files.
..	1	Automatic hand drill.
1	1	Spirit level mounted.
..	1	Measuring tape, 50 ft.
..	..	Nails, assorted.
..	..	Brass and iron screws.

Section C.

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	Quantity. B	CHEMISTRY (GENERAL).
..	12 ..	Balances, 250 g.m. with beams graduated sensitive to 1/10th of a milligram in cases.
..	12 ..	Sets of weights with forceps, ·0001 to 50 g.m.
..	1 ..	Set of *ditto ditto* ·0001 to 100 g.m.
..	4 doz.	Beakers, with lip, 100 C.C.
..	4 „ ..	Ditto 250 C.C.
..	1 „ ..	Ditto 400 C.C.
..	1 „ ..	Ditto 600 C.C.
..	1 „ ..	Ditto 1,000 C.C.
..	2 „ ..	Flasks, flat bottom 125 C.C.
..	2 .	Ditto 300 C.C.
..	1 ..	Ditto 500 C.C.
..	½ „ ..	Ditto 1,000 C.C.
..	2 „ ..	[illegible] 500 C.C.
..	6 only	[illegible]
..	6 ..	[illegible]
..	6 ..	[illegible]
..	4 .	Ditto 10 cm.
..	6 ..	Desiccators, Scheiblers, 13 cm. 5″.
2 ..	12 ..	Woulff's bottles, 250 C.C., 2 necks.
1 ..	4 ..	Ditto 500 C.C. „
..	2 each	Filter pump, flask, 250 C.C. and 500 C.C.
24 ..	12 ..	Covers for gas jars.
12 ..	6 ..	Funnels, 2½″.
..	3 .	Do. 3″.
12 ..	12 .	[illegible]
3 .	3 ..	[illegible]
12 ..	3 ..	[illegible]
12 .	3 .	[illegible]
2 .	16 ..	[illegible]
12 ..	12 ..	[illegible]
..	2 ..	[illegible]
..	1 doz.	[illegible]
..	1 „ ..	Ditto ditto
..	1 „ ..	Ditto straight.
..	1 only .	Glass filter pump, University pattern.
1 gross	1 gross	Test-tubes, 2″×½″.
..	4 doz.	Do. 4″×½″.
3 doz.	6 „ ..	Do. 6″×1″.
4 „ ..	3 „ ..	Test-tubes combustion, 6″×¾″.
.	25 lb. ..	Glass tubing, assorted
2 lb. .	3 „ ..	Ditto combustion.
1 „	3 „ ..	Glass rods, assorted.
.	2 „ .	Thermometer tubings.
..	6 ..	Burettes with stopcock, 50-1/10 C.C.
12	..	Ditto pinchcock, 50-1/10 C.C.

Section C—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity A	Quantity B	CHEMISTRY (GENERAL)—(*continued*).
2	9 .	Pipettes, 25 C C, 10 C C and 20 C C, 3 each.
..	4 .	Do 50 C C.
..	3 ..	*Measuring jars, 50 C C*
..	2 doz	Ditto 100 C
..	6 only	Ditto 500 C C
.	1 „ ..	Ditto 1,000 C C
..	2½ doz.	Thermometers, 150° C. in wooden case, 3 of 200° C, 3 of 300° C.
..	200 .	Filter papers, cut circles, 9 cm.
300 ..	200 .	Ditto ditto 12 5 cm.
..	100 .	Ditto ditto 15 cm.
6 ft. ..	30 ft .	I R tubing, 5/16".
..	6 ft. ..	*Pressure tubing.*
1 gross	1 gross	Corks, ordinary, assorted.
12 sets	12 sets	Corkborers, set of three
	1	Cork squeezer, wheel pattern.
18 .	18 .	Deflagrating spoons with tin caps
12 ft.	60 ft. ..	I. R. connection tubing, 3/16".
	1 ..	Foot bellows.
1 doz ..	2 doz ..	Mohr's burette clips.
..	6 only	Screw clips
..	4 ..	*Retort stands, small.*
..	2 ..	Ditto large
..	1 doz.	Rings, 2½", 3½", 4" dia
.	1 „ ..	Clamps, small and large with boss.
..	3 ..	Wooden clamps.
12 ..	3 ..	Funnel stands, double.
12 ..	4 ..	Burette stands, for one burette.
2 .	2 doz	Safety funnels with one bend
16 ..	2 „ ..	Thistle funnels, 12".
..	6 ..	Asbestos sheets, 10"×10".
..	1 ..	„ pad, 6"×6".
..	1 ..	„ „ 4"×4".
..	1 ..	Ozone apparatus.
..	1 ..	Vapour density apparatus, Victor M[illegible]
..	2 ..	Combustion boats, porcelain.
..	1 ..	Pippette stand for ten pipettes.
..	4 ..	Calcium chloride towers, 8".
..	4 ..	
..	6 ..	
..	1 ..	
..	1 ..	
..	3 ..	[illegible]
..	1 ..	
..	1 ..	
..	1 set ..	[illegible]

Section C—(*concluded*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	Quantity. B	CHEMISTRY (GENERAL)—(*concluded*).
..	30 ..	Weighing tubes.
..	2 ..	Clock glasses.
16 ..	1 doz.	Watch ,,
..	4 ..	Bunsen burners.
..	6 ..	Fishtail ,,
..	4 ..	Spatulas porcelain.
6 ..	4 ..	Ditto horn.
6 ..	6 ..	Ditto steel.
6 ..	36 ..	Winchester quart bottles.
..	6 ..	Filter plates, two of each size.
..	6 ..	Books of labels.
1 doz.	2 doz.	Litmus books (red and blue).
..	1 ..	Fractionating column (pear-shaped, bulbed) 3 or 5 bulbs.
..	2 ..	Nickel foils, 3"×3".
..	4 ..	Tripod stands.
..	2 ..	Crucible tongs.
..	2 ..	Drying cones.
..	6 ..	Hoffman's bottle for Victor Meyer's apparatus.
16 ..	4 ..	Porcelain basin.
..	4 only	Graduated flasks, 250 C.C.
..	2 ,, ..	Ditto 1,000 C.C.
..	6 ,, ..	Ditto 100 C.C.
..	6 ,, ..	Ditto 200 C.C.
1 ..	2 ..	Water bath.
2 ..	2 ..	
16 .	6 ..	
12 ..	12 .	
1 doz	1 doz.	
1 ,, ..	14 only	
2 ..	2 .	
12 ..	6 ..	
24 ..	12 ..	
*26 ..	..	

* 4 N. M., reagent bottle, 12 oz. stoppered.
17 ,, ,, ,, ,, 5 ,, ,,
5 W. M. ,, ,, 2 ,, corked.

Section D.

Column A gives the minimum requirements for work up to the High School Examination only

Column B gives the minimum requirements for work up to the Intermediate Examination only

Quantity		CHEMICAL LABORATORY.
A	B	*Apparatus required for each bench.*
..	1	Wire gauze, 30 meshes, 6"×6".
..	3 doz	Test tubes, 5"×5/8".
..	1 „	„ 2"×1/4".
..	1	Test tube stand
..	1	„ brush
..	3	Beakers (one without lip, 200 C C and two lipped, 250 C.C)
..	3	Flasks (500 C C. two only and 200 C.C. one only).
..	1	Mouth Blowpipe.
..	1	Wash bottle 500 C C.
..	1	Retort stand with 1 ring, 1 clamp and 1 boss, length of rod 20".
..	1	Tripod stand triangular top.
..	2	Crucibles with lid.
..	1	Crucible tongs, brass, plain 6".
..	3	Porcelain basins
..	2	Funnels plain 3"
..	1	Triangular file, 4" with handle.
..	1	Iron-tinned Japan rectangular pneumatic trough with shelf
..	1	Pipette, 10 C C.
..	100	Filter papers, 12·5 cm dia
..	2 books	Litmus papers, red and blue.
..	1	Test-tube holder crosswise pattern.
..	1	Burner or spirit lamp
..	1	Burette 50—1/10 C C. with pinchcock (i.e , with Mohr s burette clips).
..	2	Watch glasses 4 cm
..	2	Clay-pipe triangles
..	1	Funnel stand, double.
..	1	Burette stand
..	1	Drying cone of tin
..	4	N M. Reagent bottles, 12 oz., stoppered.
..	17	N M „ 5 „ „
..	5	[illegible]
..	3 ft.	[illegible]
..	3	[illegible]
..	1 doz.	[illegible]
..	1	[illegible]
..	1	[illegible]
..	1	Glazed paper.
..	1	Platinum wire.
..	1	Graduated flask, 100 C C.
..	1	Quill pen.
..	1	Spatula.
..	1	Blue glass, 2"×2".

Section E.

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	Quantity. B	CHEMICALS.
8 lb. ..	70 lb. ..	Concentrated Hydrochloric acid, pure (medically pure).
..	20 ,, ..	Hydrochloric acid, pure.
8 lb. ..	25 ,, ..	Concentrated Nitric acid, pure.
8 ,, ..	30 ,, ..	,, Sulphuric ,,
..	40 ,, ..	,, ,, ,, commercial.
..	6 ,, ..	Glacial Acetic acid.
..	25 ,, ..	Ammon. Liquor.
2 lb. ..	20 ,, ..	,, Chloride.
..	1 ,, ..	,, Carbonate resubl.
..	10 ,, ..	,, ,, ordinary.
..	4 ,, ..	,, Sulphate, pure.
..	2 ,, ..	,, Acetate.
..	1 ,, ..	,, Molybdate.
..	2 ,, ..	,, Nitrate.
..	4 ,, ..	,, Oxalate.
½ lb. ..	½ ,, ..	Sodium, Metal.
1 ,, ..	6 ,, ..	,, Carbonate, pure.
..	3 ,, ..	,, ,, commercial
..	1 ,, ..	,, ,, chemically pure anhydrous.
..	1 ,, ..	,, Bicarbonate.
2 lb. ..	10 ,, ..	,, Hydroxide sticks, pure.
..	3 ,, ..	,, Acetate.
..	2 ,, ..	,, Nitrate.
..	4 ,, ..	,, Phosphate.
..	3 ,, ..	,, Chloride, pure.
.	8 ,, .	,, ,, commercial.
..	1 ,, ..	,, Sulphate.
..	½ ,, ..	,, Formate.
..	1 ,, ..	,, Nitrite.
..	1 ,, ..	,, Bromide.
..	4 ,, ..	Borax.
..	3 ,, ..	Fusion mixture.
..	½ ,, ..	Potassium, metal.
..	1 ,, ..	,, Bichromate.
..	2 ,, ..	,, Chromate.
..	1 ,, ..	,, Bisulphate.
2 lb. ..	6 ,, ..	,, Chlorate
..	3 ,, .	Chloride, pure.
..	1 ,, ..	,, Cyanide.
..	1 ,, ..	,, Ferricyanide.
..	2 ,, ..	,, Ferrocyanide.
..	1 ,, ..	,, Iodide.
2 lb. ..	3 ,, ..	,, Nitrate.
2 oz. ..	1 ,, ..	,, Permanganate.

Section E—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only

Quantity. A.	Quantity. B.	CHEMICALS—(*continued*).
..	1 lb.	Potassium, Sulphate.
..	1 ,,	,, Sulphocyanide.
..	1 ,,	,, Hydrate sticks.
..	¼ ,,	,, Perchlorate.
..	1 ,,	Barium Carbonate ppt.
..	6 ,,	,, Chloride, pure.
..	1 ,,	,, Nitrate.
..	4 oz.	,, Sulphide.
..	¼ lb	,, Sulphate.
..	1 ,,	,, Acetate
..	1 ,,	Strontium Carbonate, pure.
..	1 ,,	,, Chloride.
..	1 ,,	,, Nitrate
..	4 oz.	,, Sulphide.
..	1 lb.	,, Acetate
..	1 ,,	Calcium Carbonate ppt.
1 lb	4 ,,	,, Chloride anhydrous.
..	1 lb.	Calcium Nitrate.
..	¼ ,,	,, Sulphate, pure.
..	1 ,,	,, Hypochloride (Bleaching powder).
2 lb.	4 ,,	,, Oxide.
1	1 ,,	Plaster of Paris.
2	4 ,,	Marble.
..	4 oz.	Calcium Sulphide.
2 oz.	1 ,,	Magnesium Ribbon.
..	1 lb.	,, Carbonate.
..	1 ,,	,, Chloride.
..	1 ,,	,, Sulphate.
..	1 ,,	,, Oxide.
..	¼ ,,	Manganese Chloride.
..	¼ ,,	,, Sulphate.
2 lb.	12 ,,	,, Dioxide.
..	2 ,,	,, ,, granulated.
¼ lb.	4 ,,	Copper turnings.
¼ ,,	1 ,,	,, Oxide.
..	1 ,,	,, Carbonate.
..	1 ,,	,, Chloride (ic.)
..	1 ,,	,, Nitrate.
2 lb.	3 ,,	,, Sulphate.
¼ ,,	¼ ,,	,, foil.
..	¼ ,,	Silver Nitrate.
2 lb.	2 ,,	Mercury Metal.
..	1 ,,	,, Chloride (ic.).
¼ lb.	¼ ,,	,, Oxide (red).
..	¼ ,,	,, Nitrate (ic.).

Section E—(continued).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A.	Quantity. B.	CHEMICALS—(continued).
..	¼ lb. ..	Mercury Nitrate (ous).
1 lb ..	2 ,, ..	Lead shots.
..	1 ,, ..	,, foil.
..	4 ,, ..	,, Acetate.
..	1 ,, ..	,, Carbonate.
..	1 ,, ..	,, Nitrate, pure.
1 oz. ..	2 ,, ..	,, Oxide (litharge).
1 ,, ..	1 ,, ..	,, ,, (red).
..	1 ,, ..	,, Chloride.
..	2 ,, ..	,, Metal.
..	1 oz. ..	Bismuth Nitrate.
..	¼ ,, ..	Cadmium Nitrate.
..	1 lb. ..	Iron turnings.
..	2 ,, ..	,, Chloride (ic.) pure.
1 lb ..	4 ,, ..	,, Sulphate (ous).
..	30 ,, ..	Ferrous Sulphide.
..	1 ,, ..	,, Ammonium Sulphate.
..	1 ,, ..	Iron Oxide.
2 lb. ..	2 ,, ..	,, filings
1 ,, ..	1 ,, ..	Alum Ammonium.
4 oz. ..	2 oz. ..	Aluminium foil.
..	2 ,, ..	Arsenic metal.
..	¼ lb. ..	,, Oxide.
..	2 oz. ..	Antimony metal.
2 lb. ..	10 lb. ..	Zinc granulated.
..	1 ,, ..	,, Carbonate, pure.
..	¼ ,, ..	,, Oxide.
..	1 ,, ..	,, Sulphate
..	2 oz. ..	Nickle Sulphate.
..	1 lb. ..	Cobalt Nitrate.
¼ lb ..	1 ,, ..	Tin foil.
..	1 ,, ..	,, Granulated, pure.
..	2 ,, ..	,, ,, Commercial.
..	2 ,, ..	,, Chloride (ous).
..	1 ,, ..	Chromium Alum.
..	3 ,, ..	Potassium ,,
2 lb. ..	4 ,, ..	Sulphur roll.
..	2 ,, ..	,, Flowers.
2 oz. .	8 oz. ..	Phosphorus white.
..	8 ,, ..	,, red.
..	8 ,, ..	Bromine.
..	8 ,, ..	Iodine resublimed.
..	2 lb. ..	Pumice Stone.
..	2 oz. ..	Phosphorus Trichloride.
..	2 ,, ..	,, Pentachloride.

Section E—*(continued)*.

Column A gives the minimum requirements for work up to the High School Examination only

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A.	Quantity. B.	CHEMICALS—*(concluded)*.
..	1 lb ..	*Animal charcoal.*
..	¼ „ .	Graphite.
..	½ „ .	Emery powder.
..	2 oz.	Phosphoric acid.
¼ lb. .	½ lb. .	Iron sheet
½ „ ..	¼ „ ..	Lead „
..	½ „ ..	Microcosmic salt.
		ORGANIC CHEMICALS.
..	4 oz. ,	Acid Formic.
..	4 „ ..	„ Stearic.
..	2 lb.	„ Oxalic.
2 oz. ..	4 oz. .	„ Pyrogallic.
..	½ lb. ..	„ Tartaric.
..	1 oz. ..	„ Butyric.
..	4 „ .	„ Salicylic.
..	1 lb.	Benzene.
2 lb. ..	8 „ ..	Carbon disulphide.
..	1 „ ..	Acetone.
1 lb. ..	2 „ ..	Alcohol (abs).
..	½ „ ..	Chloroform.
..	¼ „ ..	Cream of tartar.
..	1 „ ..	Formaldehyde.
..	2 oz. ..	Acetaldehyde.
1 lb. ..	2 lb. ..	Glycerine.
..	1 oz. ..	Iodoform.
1 lb. ..	4 lb. ..	Naphthalene.
..	1 „ ..	Castor oil.
..	4 oz. ..	Phenol.
..	4 „ ..	Bees wax
..	1 „ .	Acetamide.
..	2 „ ..	Acetanilide.
..	2 „ ..	Sulphanilic acid.
..	1 „ ..	Methyl Salicylate.
..	¼ lb. ..	Urea.
..	4 oz. ..	Methyl Alcohol.
..	2 „ ..	Acetyl Chloride.
..	4 „ ..	Ethyl Acetate.
..	2 „ ..	Fuchsine
..	2 lb. .	Rochelle Salt.
..	1 oz ..	Sodium Nitroprusside.
..	1 lb. ..	Fuller's Earth.
..	4 oz. ..	Methyl Orange.
..	4 „ ..	Phenolphthalein.
..	4 „ ..	Lampblack.
1 lb. ..	2 lb. ..	Ether.

Section F—(concluded).

Apparatus for showing lecture experiments in Chemistry—(concluded)

Quantity, A.	B	C*.	Name of apparatus.
..	..	1	Aspirator metal.
..	..	2	„ glass.
..	..	3	Adapters bent 6" long.
..	..	3	„ straight 6" long.
..	..	2	Balloons ordinary.
..	..	1	Belljar open at top.
..	..	1	„ stoppered
..	..	1	Bunsen Burner, Teclu.
..	.	2	Fletcher's Burner diam., top wire gauze 7/8."
..	..	1	„ „ „ 1¼".
..	.	6	Flame protector metallic.
..	.	25	
..	..	12	
..	.	2	
..		2	
.	.	6	
..	..	1	
..		2	Glass pencil.
.	..	1	Funnel, 6" diameter glass.
..	..	2	*Ribbed Funnel* 3½" diam.
..	..	2	Measuring cylinder, 250 C. C.
..	..	2	„ „ 25 „
..	.	1	½-pint measure.
..	..	1	1-oz. measure.
..		2	Pipette, 5 C.C.
..		1	„ 1 „
.		12	*Condenser clamps.*
..		1 doz.	Rubber corks assorted.
..	.	2	Spoons horn with spatula.
..		6	Wire gauze asbestos lined.
..	..	2	*Glass reduction bulbs.*
..	..	3	„ „ *tubes straight.*
..	..	3	T tubes glass.
..	..	3	
..	.	1	
.	..	1	
..	.	2	
..	.	1	
..	.	200	Analytical filter paper, 12 [illegible]
..	..	6	Brushes for burettes.
.	.	6	„ „ gas jars.
..	.	4	„ „ glass tubes.
.	.	1	Drying cylinder with bulb, hard glass.
..		2	Weighing bottles, *stoppered*

preparing distilled per *annum* for the

DATED ALLAHABAD:
The 17th December, 1924.

List of minimum requirements in Biology (General Science) for the High School Examination.

(For a class of 30 students.)

		Rs.
1.	A microscope for every 10 students . ..	480
2.	Glass Aquaria (2) . .	20
3.	Dissecting Instruments (1 set) ..	10
4.	Jars of various sizes . .	30
5.	Bell jars (2)	20
6	Microscope slides of plant and animal cells and tissues . ..	40
7.	[illegible] ..	30
8.	[illegible] ..	75
9	[illegible] ..	10
10	[illegible] .	75
11	[illegible] ..	
12.	Models of human brain, heart, eye, ear and [illegible]	150
	[illegible]	15
	[illegible]	10
	[illegible]	20
	[illegible]	
	(ii) [illegible]	
	(iii) [illegible]	
	(iv) [illegible]	
	(v) [illegible] .	20
	(vi) [illegible]	
	(vii) Stems grow towards light, roots towards moisture	
	(viii) Tests for parts of plants for food substances	
16.	Watch glasses	10
17	Beakers	12
18.	Graduated cylinders . ..	15
19	Pocket-lens, one for each student, Re. 1 each ..	30
20.	Rabbit—Articulated skeleton (1)	12
21.	Rabbit—Disarticulated skeleton (1) ..	8
22.	Specimen tubes { 2"×½" .. .. / 4"×1" .. .. / 8"×4"	150
23.	Rupees 300 for museum almirahs and specimens	300
24.	Gardening implements, e g , spade, hoe, etc. ..	[illegible]
25	Cages for rearing insects to study their life history	
26.	Binocular (very desirable but not a minimum requirement)	[illegible]
	Total ..	[illegible]

[illegible]—

Watch glasses [illegible] mm. diameter ...	[illegible]	[illegible]
Glass funnels [illegible]	[illegible]	[illegible]
" " [illegible] ...	[illegible]	[illegible]
" " [illegible]	[illegible]	[illegible]
Glass beakers [illegible]		[illegible]
[illegible]		
" " " [illegible] ...		[illegible]
Graduated cylinders [illegible]	[illegible]	[illegible]
" " [illegible]	[illegible]	[illegible]
" " [illegible]	[illegible]	[illegible]
Dropping bottles with ground-in stoppers [illegible]	[illegible]	[illegible]
Balsam bottles [illegible] [illegible] ...	[illegible]	[illegible]
Spirit lamps, ground cap, and brass wick holder [illegible]	[illegible]	[illegible]
Test tubes [illegible]	[illegible]	[illegible]
Bottles, wide mouth, [illegible] stoppers [illegible]	[illegible]	[illegible]
" " " [illegible]	[illegible]	[illegible]
" " " [illegible]	[illegible]	[illegible]
Bottles, narrow mouth, [illegible] stoppers [illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
Desiccator, Scheibler pattern, [illegible] mm. ...	[illegible]	[illegible]
Thermometers, [illegible] ...	[illegible]	[illegible]

[illegible]—

Rectangular, flat ground-on glass plate covers [illegible] ...	[illegible]	[illegible]
" " " [illegible]		
[illegible] " " " ...	[illegible]	[illegible]
" " " [illegible]		
[illegible] " " " ...	[illegible]	[illegible]
" " " [illegible]		
[illegible] " " " ...	[illegible]	[illegible]
Cylindrical, flat glass plate covers [illegible] diam., [illegible] high	[illegible]	[illegible]
" " [illegible] diam., [illegible] high	[illegible]	[illegible]
" " [illegible] " " [illegible] "	[illegible]	[illegible]
Specimen tubes, cork stoppers, [illegible] ...	[illegible]	[illegible]
" " " " [illegible] ...	[illegible]	[illegible]
" " " " [illegible] ...	[illegible]	[illegible]
" " " " [illegible] ...	[illegible]	[illegible]
" " " " [illegible] ...	[illegible]	[illegible]

			Rs. a. p.
Filter paper, 2 pkts., 6" diam.	..		2 0 0
2 ,, 4" ,, ..	..		1 8 0
Elder pith, 2 doz. bundles ..	..		12 0 0
Retort stands, large size, with ring	..	2 only	14 0 0
Iron tripods, 4"	..	2 ,,	2 8 0
Wire gauze, 6" square ..	..	2 ,,	0 12 0
Bunsen burners 3 (if gas is available)	..		6 0 0

Skeletons—

Rabbit, articulated on wooden stand	..	1 only	25 0 0
Frog ,, ,, ,,	..	1 ,,	
Dog skull, bisected .	..	1 ,,	

Second year's requirements

Binocular Microscope—For demonstration and dissection under and out of water; convertible; paired objectives approximately x1, x3, and x6, paired oculars, approximately x5 and x10. Complete in case	400 0 0
(Very desirable, but not a minimum requirement.)	
Balance—Ordinary, to weigh 250 grams to 2 mg.; complete in case with glass doors, and levelling screws, and set of weights (100 grams to 1 mg.)	80 0 0

Physiological Apparatus—

Potometer (Ganong's)	42 0 0
Manometer, on wooden stand	12 0 0
Opsometer, for marking spaces on roots	2 0 0
Germination box, galvanised iron with glass sides .	10 0 0
Respiroscope	7 8 0
Microtome—Cambridge Rocker, complete with razor and razor handle	160 0 0
Belgian hone—For microtome knife	16 0 0
Paraffin Imbedding oven—Gas or electric heated, with reliable automatic temperature regulating device; about 12"×12"×12" inside measurement .. .	150 0 0
Slide warming plate—Brass, 11"×6"×3/8" thick, tapering to point, on 3 legs 7" high	15 0 0

Cover glasses—

Guaranteed non-corroding—

No. 1 —18 mm. square, 2 oz.	48 0 0
,, 1.—24 mm ,, 2 oz	
,, 1—24 mm ×30 mm. 1 oz	
,, 1.—24 mm ×40 mm 1 oz.	
,, 1 —24 mm ×50 mm. 1 oz.	

		Rs. a. p.
Stains, dry—		
Erythrosine	5 gms.	3 0 0
Orange G	5 "	1 0 0
Eosin water sol.	5 "	2 0 0
Carmine rubr.	20 "	5 0 0
Crystal violet (Gentian Violet) 5 gms.	.. ..	1 8 0

Charts, Botany—

1. Green algae, *Ulothrix* and *Spirogyra*, structure and life history.
2. *Rhizopus*, structure and life history.
3. Wheat rust " " " "
4. Moss plant " " " "
5. Fern plant " " " "
6. Flowering plant, structure of dicot and monocot stem, root and leaf . life history.
7. Methods of vegetative reproduction.
8. " " pernennation
9. " " display of leaves.
10. Pollination.
11. Seed dissemination.
12. Mitotic cell division.

12 at Rs. 10 (or made locally at Rs. 4) .. 120 0 0

Charts, Zoology—

1. *Amoeba* and other Protozoa; structure and life history
2. *Hydra*, structure and life history.
3. *Pheretima posthuma*, structure and life history.
4. Malaria parasite, structure and life history.
5. Mosquito, *Culex* and *Anopheles*, breeding, life history, and economic importance
6. House fly, life history and economic importance.
7. Cockroach, structure and life history.
8. Frog, anatomy.
9. " life history.
10. Rabbit, anatomy.
11. Maturation of eggs and sperms, fertilization, and embryology.
12. Macmillan's A.-L Physiological Charts.
13. " Animals of India Charts.

	13 at Rs. 10 ..	130 0 0
Books	.. ..	300 0 0
	Total ..	5,302 12 0

APPENDIX I.

FORMS.

(1) Forms of applications for the recognition of Institutions for the Board's Examinations.

Application for the recognition of ____________

School / Intermediate College ____________ **for the High School or/and Intermediate Examination.**

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1. (*a*) The general desirability of the institution with reference to the suitability and sufficiency of *existing* institutions in the locality.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

(*b*) The special aims of the institution.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

(c) The probable effect on existing institutions

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

2. Is the Committee of Management registered as a society under Act XXI of 1860?

Names of the members of the Committee of Management.	Names of the members of the Executive Committee (if any).

3. Name of Manager or Secretary or Correspondent, as the case may be.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors

4. Number of scholars in each class section of a class.

Class (with section).	Number of scholars in each section.	Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

5 Accommodation provided in class-rooms and in hostels

This statement should be accompanied by a sketch ***drawn to scale*** ***(a)*** of the school compound, showing the location of all buildings on it; ***(b)*** of the school building, showing the class-rooms and other rooms, and the purposes for which the several rooms are used; and ***(c)*** of the hostel or hostels.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

6. **Subjects in which recognition is sought, and the Vernacular or Vernaculars proposed to be taught.**

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

7. Qualifications and rates of pay of the teaching staff.

No.	Names of teachers with designation.*	Qualifications (Degrees, Diplomas, Certificates, etc)	Scale of pay.†	Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

* NOTE.—(1) The clerical staff should be shown separately.
(2) In the case of a school proposing to open Intermediate classes, the additional staff employed for the teaching of these classes should be separately shown.

† If the scale of pay is progressive the rate of periodical increments should be shown.

8. Special arrangements, if any, made for the teaching of any subject or subjects.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

9. Provision and appliances for the teaching of—

(a) Chemistry.
(b) Physics.
(c) Biology.
(d) Drawing.
(e) Commerce.
(f) Manual Training.
(g) Agriculture.

(h) Domestic Science.
(i) General Science.
(j) Geography.
(k) ——————.
(l) ——————.
(m) ——————.
(n) ——————

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

10. Provision made for the medical examination, health, *recreation*, *physical training* and discipline of scholars.

Statement by the authorities of the institution	Remarks of Inspector or Inspectors.

11. Provision for Library (to be given in detail):—

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

12. Scale of fees charged, and the provision, if any, for the admission of poor scholars.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

13. Financial position of the Institution.

Income for recurring tuitional expenditure.

Details of income.	Estimated income during the first year (a).	Estimated income during the second year (b).	Average annual income (c).	Remarks of Inspector or Inspectors
1. To Balance on 1st April (if in hand).				
2. To (a) Government grant .. (b) Municipal or District Board grant.				
3. To net income from endowments				
4. To voluntary contributions .. (a) From private individuals (b) From societies.				
5. To income from other sources (to be specified).				
6. To fees :— (a) Tuition fees .. .. (b) Certificate fees .. (c) Other fees or fines from scholars.				

Recurring tuitional expenditure.

Details of expenditure.	Estimated expenditure during the first year (a).	Estimated expenditure during the second year (b).	Average annual expenditure (c).	Remarks of Inspector or Inspectors.
1. By Balance on 1st April (if overdrawn)				
2. By Salaries of Staff :— (a) Teaching Staff (Principal, Head Master and Assistant Masters). (b) Clerical Staff (including clerks and librarians). (c) Menial Staff				
3. By Office contingent expenses				
4. " Provident Fund ..				
5. " Allowances (not to be included under specified salaries).				
6. " Rent and Taxes ..				
7. " Prizes				
8. " Stationery and books for teachers.				
9. " Petty repairs				

					10. By Repair or replacement of furniture.				
					11 ,, Upkeep of School equipment (Science, Manual Training, Commerce, etc.)				
					12 ,, Library				
					13 ,, Hot and cold weather charges.				
					14 ,, Audit charges ..				
					15 ,, Contribution to Reserve Fund				
					16 ,, Other charges (to be specified				
Total					Total				

(a) 'First year' means the year in which the school begins to work $\frac{\text{as a High School, with only Class IX}}{\text{as an Intermediate College, with only Class XI}}$ as an additional class

(b) 'Second year' means the year in which the school becomes a full $\frac{\text{High School, with classes IX and X}}{\text{Intermediate College, with classes XI and XII}}$

(c) 'Average annual' income and expenditure mean the normal income and expenditure after the school has become a full High School or Intermediate College

NOTE.—(1) Important variations in estimates of income and expenditure should be explained

(2) From this statement of recurring income and expenditure accounts of the Recreation Fund, Scholarships, Students' Societies (such as a Literary or Scientific Society or Debating Club), Reading Room, Hostel, expenditure on religious instruction, all items of non recurring expenditure, and all accounts not directly concerned with the secular instruction of the students, should be excluded.

14. Certificate to be signed by the Manager or Head Master or Principal of the institution applying for recognition.

I HEREBY certify that the statements made in this application are correct, and I undertake that in case the institution is recognized for the High School/Intermediate Examination, I shall abide by the Regulations of the Board of High School and Intermediate Education, United Provinces.

Manager, Head Master, or Principal,

_______________ *School/College*.

____

Dated _______________.

15. Recommendations of Inspector or Inspectors.

[In making recommendation Inspectors should state whether and *in what subjects or on what conditions recognition* should, in their opinion, be granted.]

Dated——————

Inspector of Schools ——*Division*
Inspectors

B

Application for the recognition of ______________

School / Intermediate College in additional optional subjects

______________ for the High School / Intermediate

Examination of the Board.

1. The general desirability of the Institution with reference to the suitability and efficiency of existing institutions in the locality, with an explanation of the need for starting new classes.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

2. The probable effect on existing institutions.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

3. Number of scholars in each class in the subjects in which the institution is recognized.

Subjects		Number of scholars in—				Remarks of Inspector or Inspectors.
		VIII.	IX.	X.	XI.	
Classical Languages.						
Indian Vernaculars.						
Other subject.						

4. *(a)* Additional subject or subjects in which recognition is sought.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

4. *(b)* Probable number of students expected to take up the new subject or subjects.

Name of the new subject or subjects	Probable number of students.	Remarks of Inspector or Inspectors.

4. *(c)* Provision, appliances and special arrangements, if any, made for the teaching of the new subject or subjects

Statement by the authorities of the institution	Remarks of Inspector or Inspectors

5. Accommodation provided for the new class.

(a) Plans should be submitted if new rooms are to be added.

(b) This statement should be accompanied by a sketch drawn to scale [in case no such sketch has been submitted on any previous occasion] *(a) of the school compound, showing* the location of all buildings on it (b) of the school building showing the class rooms, and other rooms, and the purposes for which the several rooms are used and (c) of the hostel or hostels.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

6. List showing qualifications and rates of pay of the present staff, showing *separately* the additional ‡staff proposed to be engaged for the teaching of the new subject or subjects*.

Number.	Names of teachers with designation.	Qualifications, (Degrees, Diplomas Certificates, etc.).	Scale of pay.†	Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

* In the case of an Intermediate College the staff to be shown should be the staff engaged in teaching the Intermediate classes.

† If the scale of pay is progressive, the rate of periodical increments should be shown.

‡ If no additional staff is proposed to be engaged, the total number of periods per week for which the proposed teacher or teachers $\frac{\text{is}}{\text{are}}$ at present teaching and will teach when class $\frac{\text{X}}{\text{XII}}$ will be opened in the new $\frac{\text{subject}}{\text{subjects}}$ should be mentioned. A copy of the proposed time-table should also be submitted.

7. Probable cost [giving details] of starting the new classes.

Recurring expenditure.				Non recurring expenditure.				How it is proposed to meet the additional cost.	Remarks of Inspector or Inspectors.
Details of expenditure	Estimated expenditure during the first year	Estimated expenditure during the second year	Average annual expenditure	Details of expenditure	Estimated expenditure during the first year.	Estimated expenditure during the second year.	Remarks.		

8. Provision of books for the library on the new subject or subjects:—

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

9. Certificate to be signed by the Manager or Head Master or Principal of the Institution applying for recognition.

I hereby *certify* that the *statements* made in *this application are correct*, and I undertake that in case the institution is recognized, I shall abide by the Regulations of the Board of High School and Intermediate Education, United Provinces

Dated ____________

Manager, Head Master or Principal,

____________ *School*
College

10. *Remarks of Inspector or Inspectors.*

In making recommendations Inspectors should state whether and on what conditions recognition should, in their opinion, be granted.

Dated ____________

Inspector of Schools ____________ *Division.*

(2) Forms of application for admission to the Board's examinations.

Roll no.________

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

HIGH SCHOOL EXAMINATION, 1931.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than January 7, 1931.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to appear at the ensuing High School Examination of the Board of High School and Intermediate Education, United Provinces.

The prescribed fee has been paid.

I am, etc.,

*Dated the*________________19 .

____
(Name to be written in full and very legibly.)

CERTIFICATE BY THE HEAD MASTER OR PRINCIPAL.

I HEREBY certify that   has attended a regular course of study in a recognized institution (as required by Board's Regulations—vide footnote to Regulation 4, Chapter XVIII) and that his/her date of birth, according to the register of the School/College is*________

I also certify that his/her character and conduct have been satisfactory, and that he/she has paid the prescribed examination fee.

† I also certify that he has not been married and that if married he was married before July 1, 19[illegible], or he was at the time of marriage not less than eighteen years of age.

‡ I also certify that he/she has actually performed the experiments laid down in the syllabus.

Head Master
____
Principal

School
____
College

____

*Dated the*________________19 .

---

* Insert here date, month and year, and not month and year only.
† For male candidates only.
‡ For science candidates only.

PARTICULARS TO BE FILLED IN BY THE CANDIDATE.

1. Name in full (*a*) .. .. ______________________

2. History *or* Geography as a compulsory subject (*b*) .. .. ______________________

3. Modern Indian Language (*c*) .. ______________________

4. Optional subject (*d*) .. .. ______________________

5. Medium of Examination offered in (*e*).
   - (*i*) Mathematics .. ______________________
   - (*ii*) History or Geography as a compulsory subject .. ______________________
   - (*iii*) Modern Indian Language . ______________________
   - (*iv*) Optional subject .. ______________________

6. District and own or village where resident .. .. ______________________

7. Length of residence in the United Provinces .. .. .. ______________________

8. Religion .. .. .. ______________________

9. Name of father . .. ______________________

10. Name of guardian .. . ______________________

*11.
   - (*i*) Name of the year in which declared eligible for Compartmental Examination .. ______________________
   - (*ii*) Name of the subject in which eligible for Compartmental Examination .. .. ______________________
   - (*iii*) Medium of examination offered in the subject (*e*) .. ______________________
   - (*iv*) Subjects offered at the previous High School Examination.
     1. History or Geography as compulsory subject ______________
     2. Modern Indian Language ______________
     3. Optional ______________

____

(*Signature of candidate in full*)

(*a*) Female candidates must write "Miss" or "Mrs" before their names.

(*b*) Only one (either History or Geography) should be given A candidate offering History or Geography as a compulsory subject must not offer the same subject as an

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION.

UNITED PROVINCES.

HIGH SCHOOL EXAMINATION, 1931.

ADMISSION CARD.

All entries excepting Roll number should be filled up in the office of the Head Master or Principal.

Admit________________________________

(Roll no.____________) of ________________ S / College

________________ to ________________ Centre.

A. C. MUKERJI, M A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD:
March 25, 1931.

*Signature*____________________

Head Master
Principal

Issued on March , 1931.

School
College

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the High School Examination of 1931 will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever

5.—The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens, pencil or pastel, etc. To answer the Second Paper of Domestic Science on sewing and cutting out candidates are required to provide their own needles, thread, and pair of scissors. Blotting paper will be supplied in the answer-books.

7.—Candidates must obey any instructions they receive from the Officer in charge of the Examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of Rs 2 (two).

10.—No guarantee is given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette* No inquiries by wire or letter can be attended to If any candidate wants a copy of Part IV of the *Government Gazette*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD:
March 25, 1931.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION.

UNITED PROVINCES.

This form is intended for private candidates appearing in the Board's High School Examination for the first time.

HIGH SCHOOL EXAMINATION, 1931.

This application must be submitted to the forwarding officer not later than September 24, 1930, and must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than October 1, 1930.

Application received in the Secretary's office *not countersigned* will be deposited.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear as a private candidate at the ensuing High School Examination of the Board of High School and Intermediate Education, United Provinces. I declare that I am not studying and shall not be studying in an educational institution of any kind during the academical year preceding the ensuing examination.

I am, etc.,

Address in full ______________________________

____

______________________ *(The candidate should sign the application in the presence of the forwarding officer.)*

____

CERTIFICATE.

*[This certificate should be signed by the officer specified on the *margin and by no other person on his behalf except in special circumstances and for reasons to be recorded on the certificate.]*

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the High School Examination, that he/she has signed the above application in my presence, that I believe the subjoined account to be true, and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I further certify that the candidate is not studying and will not be studying in an educational institution of any kind during the academical year preceding the examination at which he/she desires to appear. I recommend that he/she may be allowed to appear at the examination as a private candidate.

*The certificate should be signed by—
(1) The Divisional Inspector of Schools,
(2) the Chief Educational Officer of the Indian State where the candidate resides, or
(3) the head of a recognized educational

* *Name*________________

*Designation*________________

*Station*________________

*The*________________193 .

**Note* —1 —The forwarding officers should not forward applications received in their offices after the date prescribed, except for special reasons recorded and on the special recommendation of the forwarding officer

2 —The forwarding officers should assure themselves that the applicants have given the full particulars required in the application and have attached to the application the necessary certificates

3 —The forwarding officers are requested to keep in their offices the addresses of candidates whose applications are forwarded by them

4 —Important rules relating to the admission of private candidates to the Board's Examinations are given on the reverse

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) (a) .. ..________________
2. Date of birth .. ..________________
3. Age (at the time of submitting this application) .. ..____years____months____
4. District and town or village where resident .. ..________________
5. Length of residence in the United Provinces.
6. Does he offer *History or Geography* as a compulsory subject? (b) .. ..________________
7. Modern Indian Language ..________________
8. Optional subject (and paper when alternative papers exist) (c) .. .. ..________________
9. School last attended ..________________
10. Date of leaving school ..________________
11. Class in which the candidate was reading at the time of leaving (d) .. ..________________
12. Reasons for discontinuing school studies.. ..________________
13. If the candidate left at the end the session, whether promoted or not .. ..________________

(*Signature of candidate in full*)

____

... certificate should be attached

Important rules relating to the admission of private candidates.

1A) ...

dates ... of the Board's Examinations is granted to ...

... should be stated in the application form o Vernacular Final Certificated candidates whether English was offered as a subject in the Vernacular Final Examination.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

This form is intended for those appearing at the High School Examination as Private Candidates after having failed at a previous examination.

F/P HIGH SCHOOL EXAMINATION, 1931. F/P

This application must be submitted to the forwarding officer not later than September 24, 1930, *and must reach the office of The Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad,* not later than October 1, 1930 *Applications received in the Secretary's office* not countersigned *will be deposited.*

APPLICATION

To

THE SECRETARY, BOARD OF HIGH SCHOOL

AND *INTERMEDIATE EDUCATION,*

UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear as a private candidate at the ensuing High School Examination of the Board of High School and Intermediate Education, United Provinces I declare that I am not studying and shall not be studying in an educational institution of any kind during the academical year preceding the ensuing examination

I am, etc ,

____

(The candidate should sign the application in the presence of the forwarding officer)

Address in full { ________________ }

CERTIFICATE.

*[The certificate should be signed by the officer specified on the *margin and by no other person on his behalf except in special circumstances and for reasons to be recorded on the certificate.]*

resides, or
(3) the head of a recognized educational

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the High School Examination, that he/she has signed the above application in my presence, that I believe the subjoined account to be true and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I further certify that the candidate is not studying and will not be studying in an educational institution of any kind during the academical year preceding the examination at which he/she desires to appear. I recommend that he/she may be allowed to appear at the examination as a private] candidate.

*Name_______________

The_______________1930. Designation_______________

Station_______________

*Note —1.—The forwarding officers should not forward applications received in their offices after the date prescribed, except for special reasons recorded and on the special recommendation of the forwarding officer.

2—The forwarding officers should assure themselves that the applicants have given the full particulars required in the application and have attached to the application the necessary certificates.

3—The forwarding officers are requested to keep in their offices the addresses of candidates whose applications are forwarded by them.

4—Important rules relating to the admission of private candidates to the Board's Examinations are given on the reverse.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) (a) .. ______________________

2. Date of birth .. ______________________

3. Age (at the time of submitting this application) .. .. ______year______________months.

4. District and town or village where resident .. .. ______________________

5. Length of residence in the United Provinces .. .. ______________________

6. Does he offer *History* or *Geography* as a compulsory subject? (b) .. ______________________

7. Modern Indian Language .. ______________________

8. Optional subject (and paper when alternative papers exist) (c) .. ______________________

Date of the candidate's last failing at the High School or an equivalent Examination .. ______________________

10. Full name of the examination last taken .. .. .. ______________________

11. Optional subject offered at the last examination .. .. ______________________

(a) Female candidates must write "Miss" or "Mrs." before their names.

(b) A candidate offering History or Geography as a compulsory subject must not offer the same subject as an optional subject.

(c) Candidates (including failed candidates) will not be allowed to offer an optional subject for which practical work or practical examination is prescribed, viz., Physics and Chemistry, Agriculture, and Manual Training.

CERTIFICATE.

*[The certificate should be signed by the officer specified on the *margin and by no other person on his behalf except in special circumstances and for reasons to be recorded on the certificate.]*

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the High School Examination, that he/she has signed the above application in my presence, that I believe the subjoined account to be true and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I further certify that the candidate is not studying and will not be studying in an educational institution of any kind during the academical year preceding the examination at which he/she desires to appear. I recommend that he/she may be allowed to appear at the examination as a private] candidate.

*The certificate should be signed by—
(1) The Divisional Inspector of Schools,
(2) the Chief Educational Officer of the Indian State where the candidate resides, or
(3) the head of a recognized educational [illegible]
[illegible] last studied may sign the certificate and forward the application.

*Name_______________

The________________1930. Designation_______________

Station_______________

**Note*.—1.—The forwarding officers should not forward applications received in their offices after the date prescribed, except for special reasons recorded and on the special recommendation of the forwarding officer.

2.—The forwarding officers should assure themselves that the applicants have given the full particulars required in the application and have attached to the application the necessary certificates.

3.—The forwarding officers are requested to keep in their offices the addresses of candidates whose applications are forwarded by them.

4.—Important rules relating to the admission of private candidates to the Board's Examinations are given on the reverse.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) (a) . .. ______________________

2. Date of birth .. .. ______________________

3. Age (at the time of submitting this application) .. .. ______year____________months.

4. District and town or village where resident .. .. ______________________

5. Length of residence in the United Provinces .. .. ______________________

6. Does he offer *History* or *Geography* as a compulsory subject? (b) .. ______________________

7. Modern Indian Language .. ______________________

8. Optional subject (and paper when alternative papers exist) (c) .. ______________________

Date of the candidate's last failing at the High School or an equivalent Examination .. ______________________

10. Full name of the examination last taken .. .. .. ______________________

11. Optional subject offered at the last examination .. .. ______________________

(a) Female candidates must write "Miss" or "Mrs." before their names.

(b) A candidate offering History or Geography as a compulsory subject must not offer the same subject as an optional subject.

(c) Candidates (including failed candidates) will not be allowed to offer an optional subject for which practical work or practical examination is prescribed, viz., Physics and Chemistry, Agriculture, and Manual Training.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name in full (*a*) .. .. ________

2. History *or* Geography as a compulsory subject (*b*) .. ________

3. Modern Indian Language (*c*) .. ________

4. Optional subject (*d*) .. ________

5. Medium of examination offered in (*e*)
   - (*i*) Mathematics .. ________
   - (*ii*) History or Geography as a compulsory subject ________
   - (*iii*) Modern Indian Language .. ________
   - (*iv*) Optional subject ________

6. District and town or village where resident .. .. ________

7. Length of residence in the United Provinces.. .. ________

8. Religion .. .. ________

9. Date of birth (*f*) .. .. ________

10. Name of father .. .. ________

11. Name of guardian . .. ________

(*a*) Female candidates must write "Miss" or "Mrs." before their names.

Sanskrit and Hindi—through the medium of English or Hindi.

Arabic, Urdu and Persian—through the medium of English or Urdu.

Mathematics, History, Geography, and Domestic Science—through the medium of English, Hindi or Urdu.

(*f*) Date, month and year, and not month and year only, to be entered here.

To be filled in by Compartmental candidates only.

12. (i) Name of the year in which declared eligible for Compartmental examination .. ____________

(ii) Name of the subject in which eligible for Compartmental examination .. .. ____________

(iii) Medium of examination offered in this subject (e) ____________

(iv) Subjects offered at the previous High School examination ..
1. History or Geography as a compulsory subject______
2. Modern Indian Language______
3. Optional______

13. Where to be examined (g) .. ____________

____

Signature of candidate (in full).

(g) A list of centres is given in the letter of permission Those offering Commerce (Typewriting) or Domestic Science must select such institution as their centre as is recognized in that particular subject and can make arrangements for the conduct of the practical examination in that subject.

Note 1 —The forwarding officers should not forward applications received in their offices after the date prescribed, except for special reasons recorded and on the special recommendation of the forwarding officer

2 —The forwarding officers should assure themselves that the applicants have given the full particulars required in the application

3 —The forwarding officers are requested to keep in their offices the addresses of candidates whose applications are forwarded by them

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION.

UNITED PROVINCES.

P HIGH SCHOOL EXAMINATION, 1931. P

ADMISSION CARD.

All entries except those for roll number and centre should be filled in by the candidate.

Admit____________________

Roll no.__________ of __________ District

to____________________ High School / Intermediate College.

____________________ Centre

A. C. MUKERJI, M A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD:
The March 15, 1931.

Issued on March , 1931.

The address of the candidate to be given here____________________

____

____

Signature and designation
of the Forwarding Officer.

____

____

____

RULES FOR THE GUIDANCE OF CANDIDATES.

1. The dates and the hours of the High School Examination of 1931 will be notified separately

2 The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3. A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4. Candidates are not to have about them, while sitting to answer their papers, any books, notes or paper whatever

5. The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answer he may do so by drawing distinct lines across it.

6. Candidates are required to provide their own pens, pencils, or pastels, etc. To answer the second paper of Domestic Science on sewing and cutting out candidates are required to provide their own needles, thread, *and pair of scissors Blotting-paper will be supplied in the answer-books.*

7 Candidates must obey any instructions they receive from the Officer in charge of the Examination

8. Candidates must produce their admission cards when demanded.

9 A duplicate copy of the admission card is issued on payment of Rs 2.

10 No guarantee is given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11. Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette* No inquiries by wire or letter can be attended to If any candidate wants a copy of Part IV of the *Government Gazette*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad

A C MUKERJI, M A, RAI BAHADUR,

Secretary, Board of High School and Intermediate Education,

United Provinces.

ALLAHABAD:

March 15, 1931.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

This form is intended for Private Candidates appearing in the High School Examination in English only after having passed a public Examination in an Oriental Language - (Sanskrit, Persian or Arabic), or the examination in advanced Urdu or Hindi conducted by the department.

O/P HIGH SCHOOL EXAMINATION, 1931. **O/P**

This application must be submitted to the forwarding officer not later than September 24, 1930, and must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than October 1, 1930. Applications received in the Secretary's Office not countersigned will be deposited.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear as a private candidate at the ensuing High School examination of the Board of High School and Intermediate Education, United Provinces, in English only, I declare that I am not studying and shall not be studying in an educational institution of any kind during the academical year preceding the ensuing examination.

I am etc.,

____

(*The candidate should sign the application in the presence of the forwarding officer*).

Address in full—

____

____

CERTIFICATE.

*[This certificate should be signed by the officer specified on the *margin and by no other person on his behalf except in special circumstances and for reasons to be recorded on the certificate.]*

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the High School Examination, that he/she has signed the above application in my presence, that I believe the subjoined account to be true and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory, I further certify that the candidate is not studying and will not be studying in an educational institution of any kind during the academical year preceding the examination at which he/she desires to appear. I recommend that he/she may be allowed to appear at the examination as a private candidate under Regulation 7, Chapter XIII of the Board's Regulations.

*The certificate should be signed by—
(1) The Divisional Inspector of Schools,
(2) the Chief Educational Officer of the Indian State where the candidate resides, or
(3) the head of a recognized educational [illegible]

*Name ______________________

Designation ______________________

Station ______________________

The ______________________ 1930.

3.—The forwarding officers are requested to keep in their offices the addresses of candidates whose application forms are forwarded by them.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBL[Y] BY THE CANDIDATE.

1. Name in full (a) .. .. ____________

2. Date of birth .. .. ____________

3. Age (at the time of submitting this application) .. .. ______ years ______ month[s]

4. District, and town or village where resident .. .. ____________

5. Length of residence in the United Provinces .. .. ____________

6. *Particulars of the public examination in an Oriental language, or the Examination in advanced Urdu or Hindi which the candidate has passed (a copy of the certificate of having passed the examination, *duly attested by the Forwarding Officer*, should be attached).

Name of the examination.	Year of the examination.	University, department o[r] other authori[ty] holding the examination.

7. If serving as a teacher, name of the institution in which he is serving .. .. ____________

8. Arrangements made for the study of English .. .. ____________

Signature of candidate in full.

Provinces

***Roll no.*———————**

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

O/P —— **O/P**

HIGH SCHOOL EXAMINATION, 1931.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than January 7, 1931.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing High School Examination of the Board of High School and Intermediate Education, United Provinces, **in English only.**

* The prescribed fee has been credited into the Government Treasury and the chalan is attached herewith

I am, etc.,

†*Address*.— ——————————

——————————

——————————

——————————

Private candidate.

(Name to be written in full and very legibly) The candidate should sign the application in the presence of the forwarding officer.)

CERTIFICATE

(The certificate should be signed by the Officer specified on the ‡margin and by no other person on his behalf except in special circumstances and for reasons to be recorded on the certificate)

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the High School Examination, that he/she has paid the prescribed examination fee, that he/she has signed the above application in my presence and that I believe the subjoined account to be true. I further certify that he/she has been permitted by the Board to appear as a private candidate (*vide* letter no I B 28, dated November 10, 1930).

‡The certificate should be signed by—
(1) The Divisional Inspector of Schools,
(2) the Chief Educational Officer of the Indian State where the candidate resides, or
(3) the head of a recognized educational institution
provided that in the last case it is countersigned by the officer specified in (1) and (2) above
In the case of a female candidate the certificate may be signed and the application forwarded by the head of any institution recognized by the Board

‡ *Signature*——————

Designation——————

Station——————

Dated——————193 .

* Instructions given in the letter of permission should be strictly followed.
† This address should also be given in the Admission Card.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name in full (a) .. ..

2. Date of birth (date, month and year to be entered here, and not month and year only) ..

3. Modern Indian Language from which translation is to be made into English in the third paper of English .. ..

4. District and town or village where resident .. ..

5. Length of residence in the United Provinces .. ..

6. Religion .. ..

7. Name of father .. ..

8. Name of guardian .. ..

9. Where to be examined (b) ..

(Signature of candidate in full.)

(a) Female candidates must write "Miss" or "Mrs." before their names.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

0/P

HIGH SCHOOL EXAMINATION, 1931.

ADMISSION CARD.

0/P

All entries except those for Roll number and centre, should be filled in by the candidate.

Admit____

(Roll no.____________________) of____________________District

to______________________________ High School / Intermediate College, _______Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD

March 15, 1931.

Issued on March____________________, 1931.

The address of the candidate should also be given here.
____
____
____

____
____
____
Signature and Designation of the Forwarding Officer.

RULES FOR THE GUIDANCE OF CANDIDATES.

1. The dates and the hours of the High School Examination of 1931, will be notified separately.

2. The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3. A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. *Candidates will be required to find out their allotted seats for themselves.*

4. Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5. The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6. All candidates are required to provide their own pens. Blotting paper will be supplied in the answer-books.

7. Candidates must obey any instructions they receive from the Officer in charge of the Examination.

8. Candidates must produce their admission cards when demanded.

9. A duplicate copy of the admission card is issued on payment of Rs. 2.

10. No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11. Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette.* No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette,* in which the result will be published he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD:
The 15*th March* 1931.

Roll no.———

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES.

INTERMEDIATE EXAMINATION, APRIL, 1931.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than January 7, 1931.

APPLICATION

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces.

The prescribed fee has been paid.

I am, etc ,

(Name to be written in full and very legibly.)

CERTIFICATE.

This certificate is to be signed by the Principal of the college.

I CERTIFY that the above-named candidate has satisfied me* that he has passed the Board's High School Examination or an examination declared equivalent thereto (vide Regulation 2, Chapter XIV of the Board's Regulations); that I know nothing against his character which ought to exclude him from this Examination, that he has attended a regular course of study at College as required by the Regulations—vide footnote to Regulation 4, Chapter XVII—in each and all of the subjects offered; that he has paid the prescribed examination fee; and that I believe the subjoined account to be true.

For Economics candidates only. { I also certify that the practical work prescribed in Economics has been done in the manner laid down in the Prospectus.

Name———

Principal———

———*College*.

Dated———193 .

* The forwarding officer is particularly requested to inspect each candidate's original certificate of passing the previous examination.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

INTERMEDIATE EXAMINATION, 1931.

ADMISSION CARD.

All the entries except those for Roll number and centre should be filled up in the office of the Principal.

Admit____

(Roll no.__________________) of__________________College.

__________________________to__________________Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD:
The 25th March, 1931.

Issued__________________________1931.

*Signature*__________________________

__________________________*Principal.*

__________________________*College.*

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) (a) .. ..______________________
2. Date of birth .. ..______________________
3. Name of father .. ..______________________
4. Name of guardian .. ..______________________
5. Race (i.e., nation, tribe, etc.) ..______________________
6. Religion .. .. ..______________________
7. District and town or village where resident .. ..______________________
8. Length of residence in the United Provinces .. .. ______________________
9. Language from which translation is to be made into English in the third English paper or English composition in the case of candidates whose mother-tongue is English .. ..______________________
10. Date of passing the High School or an equivalent examination, together with the name of the examination passed .. ______________________
11. *The name of the optional subjects offered .. .. ..(1)________(2)________(3)________
12. (a) Whether eligible for compartmental examination, if so, the name of the subject .. ..______________________

    (b) The year of the examination on the result of which he was declared eligible for compartmental examination .. ..______________________

    (c) Subjects offered in the year referred to in (b) .. . ______________________
13. Whether he appeared at the Intermediate examination of any previous year; if so, the year in which appeared .. ..______________________

____

(Signature of candidate in full.)

(Female candidates must write Miss or Mrs. before their names.)

* In the case of History, the name of History [e.g. History and Allied Geography (Indian English), History and Allied Geography (Indian-European), Histories of Greece and Rome and Allied Geography] should be definitely mentioned.

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination of 1931, will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5.—The answers must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7.—Candidates must obey any instructions they receive from the Officer in charge of the examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of two rupees.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in the *United Provinces Government Gazette.* No inquiries by wire or letter can be attended to. If any candidate wants a copy of the *Government Gazette,* in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD:
The 25th March, 1931.

This form is intended for private candidates appearing at the Intermediate Examination of the Board for the first time

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,
UNITED PROVINCES.

N/P N/P

INTERMEDIATE EXAMINATION, 1931.

This application must reach the office of the forwarding officer not later than September 24, 1930, and the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than October 1, 1930. Applications received in the board's office not countersigned will be deposited \

APPLICATION

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES.

SIR,

I BEG to apply for permission to appear as a private candidate at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces. I declare I have not been studying and shall not be studying at an educational institution of any kind during the academical year preceding the examination at which I desire to appear

I am, etc.,

The full address of the candidate to be given here____________________

____

____

(The Candidate should sign the application form in the presence of the forwarding officer.)

CERTIFICATE.

(This certificate should be signed by the forwarding officer specified in the margin and by no person on his behalf except in special circumstances and for reasons to be recorded on the certificate.)

The certificate should be signed by—
(1) The Divisional Inspector of Schools,
(2) the Chief Educational Officer of the Indian State where the candidate resides, or
(3) the head of a recognized educational institution: provided that in the last case it is countersigned by the officer specified in (1) and (2) above
In the case of a female candidate the certificate may be signed and the application forwarded by the head of any institution recognized by the Board.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the Intermediate Examination, that he/she has not been studying and will not be studying at an educational institution of any kind during the academical year preceding the examination at which he/she desires to appear; that he/she has signed the above application in my presence; that I believe the subjoined account to be true; and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I recommend that he/she may be allowed to appear at this examination as a private candidate.

**Name* ——————————

Designation ——————————

Station ——————————

The ——————————19 .

N.B.—(1) *The forwarding officers should not forward applications received in their offices after the date prescribed, except for special reasons recorded and on the special recommendation of the forwarding officer.

(2) The countersigning officer should assure himself that the applicant has given the full particulars required in the application and has attached to the application the necessary certificates.

(3) The countersigning officer should keep in his office the addresses of the candidates whose applications he forwards.

(4) Regulations given in Chapters XII and XIV of the Board's Regulations may be consulted.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1.	Name (in full) (*a*) ..	.. ________
2.	Age (at the time of submitting this application)	.. ______ years ______ months
3.	Place of residence ..	.. ________
4.	Length of residence in the United Provinces	.. ________
5.	Date of passing the High School or an equivalent examination, (name of examination and University should be given) ..	.. ________
6.	* Subjects taken in the High School or equivalent Examination	.. ________
7.	(*a*) School or College last attended	. ________
	(*b*) Date of leaving class in which the candidate read (*Scholar's Register* or Transfer Certificate should be attached)	.. ________
8.	Whether the candidate has ever attended a regular course of study for the Intermediate Examination at any recognized college, if so, the name of the college ..	.. ________
9.	Language from which translation is to be made in the third English paper	.. ________
10	Optional subjects offered	.. (1)______(2)______(3)______

(*Signature of candidate in full.*)

(*a*) (Female candidates must write "Miss" or "Mrs." before their names.)

NOTE — 1 Failure to comply with all the conditions or to give full particulars of information required may entail rejection of application

2 Permission to appear as private candidates at the next ensuing Intermediate Examination will not be granted to candidates who have failed to obtain promotion to the highest class of any Intermediate College (i e to those who have been detained in class XI)

such restriction

5 Candidates shall not be allowed to offer for their examination any subject even if the subject is recognised for the examination which is not being taught in a recognised institution or in which no institution is recognised.

6 **Candidates cannot offer any subject which involves practical work or a practical Examination, viz., (*a*) *Chemistry*, (*b*) *Physics*, (*c*) *Biology*, (*d*) *Economics*, (*e*) Physiology, Hygiene and Child Study.**

This form is intended for private candidates who appeared at the Intermediate Examination of the Board in any previous year and failed.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHCOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES

F/P INTERMEDIATE EXAMINATION, 1931. F/P

This application must reach the office of the forwarding officer not later than September 24, 1930, and the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than October 1, 1930. Application received in the Board's Office not countersigned will be deposited.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES.

SIR,

I BEG to apply for permission to appear as a private candidate at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces. I declare I have not been studying and shall not be studying at an educational institution of any kind during the academical year preceding the examination at which I desire to appear.

The full address of the candidate to be given here—________________

____

____

I am, etc.,

(The candidate should sign the application form in the presence of the forwarding officer.)

CERTIFICATE.

(This certificate should be signed by the forwarding officer specified in the margin and by no person on his behalf except in special circumstances and for reasons to be recorded on the certificate.)

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the Intermediate Examination; that he/she has not been studying and will not be studying at an educational institution of any kind during the academical year preceding the examination at which he/she desires to appear; that he/she has signed the above application in my presence, that I believe the subjoined account to be true; and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I recommend that he/she may be allowed to appear at this examination as a private candidate.

*This certificate should be signed by—
(1) The Divisional Inspector of Schools
(2) the Chief Educational Officer of the Indian State where the candidate

**Name*________________

*Designation*________________

*Station*________________

*The*________________________1930 .

N B —(1) *The forwarding officers should not forward applications received in their offices after the date prescribed, except for special reasons recorded and on the special recommendation of the forwarding officer

(2) The countersigning officer should assure himself that the applicant has given the full particulars required in the application and has attached to the application the necessary certificates.

(3) The countersigning officer should keep in his office the addresses of the candidates whose applications he forwards

(4) Regulations given in Chapters XII and XIV of the Board's Regulations may be consulted.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full)(a) .. .. ______________________
2. *Age (at the time of submitting this application)* .. .. ______ years ______ months.
3. Place of residence .. .. ______________________
4. Length of residence in the United Provinces. .. .. ______________________
5. Date of passing the High School or an equivalent Examination (name of examination and University should be given) .. ______________________
6. Subjects taken in the High School or equivalent Examination .. ______________________
7. (a) School or college last attended ______________________
   (b) Date of leaving class in which the candidate read (Scholar's Register or Transfer Certificate should be attached) .. ______________________
8. Whether the candidate has ever attended a regular course of study for the Intermediate Examination at any recognized college; if so, the name of the college .. ______________________
9. Language from which translation is to be made in the English third paper .. . ______________________
10. Optional subjects now offered .. (1) ________ (2) ________ (3) ________
11. Date of last appearing at the Board's Intermediate Examination ______________________
12. Optional subjects offered at last appearance at the Examination ______________________
13. Subjects in which the candidate failed .. .. . ______________________
14. Whether declared eligible for Compartmental Examination; if so—
    (i) In what subject . .. ______________________
    (ii) In what year of Examination? ______________________

Signature of candidate in full.

______

[illegible] they have studied the subject as regular students at a recognised institution and failed at the Intermediate Examination of a previous year

Roll No.——————

For Private Candidates only.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

P INTERMEDIATE EXAMINATION, APRIL 1931. P

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than January 7, 1931.

APPLICATION.

To

THE SECRETARY,

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces

* The prescribed fee has been credited into the Government Treasury (*vide* Treasury chalan no ——————, dated—————————— enclosed herewith).

Address .— ——————————

——————————

——————————

——————————

I am, etc.,

Private Candidate.

[Name to be written in full and clearly.]

* Instructions contained in the letter of permission should be strictly followed.

CERTIFICATE.

(This certificate should be signed by the forwarding officer specified in the margin and by no person on his behalf except in special circumstances and for reasons to be recorded on the certificate.)

I CERTIFY that the above-named candidate has satisfied me (a) that he/she has passed the Board's High School Examination or an examination declared equivalent thereto (vide Regulation 2, Chapter XIV of the Board's Regulations); that I know nothing against his/her character which ought to exclude him/her from this examination; that he/she has signed the above application in my presence and that I believe the subjoined account to be true.

This certificate should be signed by—
(1) The Divisional Inspector of schools,
(2) the Chief Educational Officer of the Indian State where the candidate resides, or
(3) the head of a recognized educational institution:
provided that in the last case it is countersigned by the officer specified in (1) and (2) above.
In the case of a female candidate the certificate may be signed and the application forwarded by the head of any institution recognized by the Board.
In the case of a failed candidate the head of the institution in which the candidate last studied may sign the certificate and forward the application.

I further certify that the candidate has paid the prescribed fee.

*Name*____________________

*Designation*____________________

*Station*____________________

*The*____________________19 .

(a) The forwarding officer is particularly requested to inspect each candidate's original certificate of passing the previous examination.

N.B.—(1) The forwarding officers should not forward applications received in their offices after the date prescribed, except for special reasons recorded and on the special recommendation of the forwarding officer.

(2) The countersigning officer should assure himself that the applicant has given the full particulars required in the application and has attached to the application the necessary certificates.

(3) The countersigning officer should keep in his office the addresses of the candidates whose applications he forwards.

(4) Regulations given in Chapters XII and XIV of the Board's Regulations may be consulted.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

P P

INTERMEDIATE EXAMINATION, 1931.

ADMISSION CARD.

All the entries except those for Roll number and centre should be filled up in the office of the forwarding officer.

Admit ____

(Roll no. ______________) of ____________________

____________________ to ____________________ Centre.

A C MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD :
The 15*th March*, 1931.

Issued on ____________________ 1931

____
Signature and designation of Forwarding Officer

____

____

P T.O.

Address of the candidate to be given here____________________

____

____

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) (a) .. .. ________________
2. Date of birth .. .. ________________
3. Name of father .. .. ________________
4. Name of guardian .. .. ________________
5. *Race (i.e., nation, tribe, etc.)* .. ________________
6. Religion .. .. .. ________________
7. District and town or village where resident .. .. .. ________________
8. Length of residence in the United Provinces .. .. ________________
9. Language from which translation is to be made into English in the third English paper or English Composition in the case of candidates whose mother tongue is English . .. . ________________
10. Date of passing the High School or an equivalent examination, together with the name of the examination passed . ________________
11. The name of the optional subjects offered* .. .. ____(1)____(2)____(3)____
12. (a) Whether eligible for compartmental examination, if so, the name of the subject . ________________
    (b) The year in which first failed and declared eligible for the compartmental examination ________________
    (c) Subject offered in the year referred to in (b) . ____(1)____(2)____(3)____
13. Whether permitted by the Board to appear as a private candidate, if so, the number and date of the letter in which permission has been granted . .. ________________
14. *†Where to be examined* .. ________________

(Signature of candidate in full.)

(a) (Female candidates must write "Miss" or "Mrs" before their names)

The list of centres is subject to additions and alterations by the Board.

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination of 1931 will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5.—The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7 —Candidates must obey any instructions they receive from the Officer in charge of the Examination

8 —Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of two rupees.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them

11 —Candidates must await the publication of the result in the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to If any candidate wants a copy of the *Government Gazette*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad

A C MUKERJI, M A, RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD.
March 15, 1931.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

For Private Candidates appearing under Regulation 7, Chapter, XIV of the Board's Regulations.

0/P 0/P

INTERMEDIATE EXAMINATION, 1931.

(In English only.)

This application must reach the office of the forwarding officer not later than September 24, 1930, and the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than October 1, 1930. Applications received in the Board's office not countersigned will be deposited.

APPLICATION.

To

THE SECRETARY,

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear as a private candidate at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces, in English only. I declare I have not been studying and shall not be studying at an educational institution of any kind during the academical year preceding the examination at which I desire to appear.

I am, etc.,

The full address of the candidate to be given here ______________

____

——— ———

The candidate should sign the application in the presence of the forwarding officer.

CERTIFICATE.

(This certificate should be signed by the officer specified on the margin, and by no person on his behalf except in special circumstances and for reasons to be recorded on the certificate).

This certificate should be signed by—
(1) The Divisional Inspector of schools,
(2) the Chief Educational officer of the Indian State where the candidate resides, or
(3) the head of a recognized edu- [illegible]

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the Intermediate Examination in English only; that he/she has not been studying and [illegible] educa- [illegible] during [illegible] ing the [illegible] desires [illegible] signed the above application *in my presence*, that I believe the subjoined account to be true and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I recommend that he/she may be allowed to appear at the examination as a private candidate under Regulation 7, Chapter XIV of the Board's Regulations.

Name ____________________

Designation ____________________

Station ____________________

The ____________________ 1930

N B.—(1) The forwarding officers should not forward applications received in their offices after the date prescribed, except for special reasons recorded and on the special recommendation of the forwarding officer.

(2) The countersigning officer should assure himself that the applicant has given the full particulars required in the application, and has attached to the application the necessary certificates duly *attested* by that officer.

(3) The countersigning officer should keep in his office the addresses of the candidates whose applications he forwards.

(4) Regulations contained in Chapters XII and XIV of the Board's Regulations may be consulted.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) (a) .. ..________________
2. Age (at the time of submitting this application) .. ..________years________months.
3. District and town or village where resident .. .. ..________________
4. Length of residence in the (a) United Provinces .. ..________________
5. *Date of passing the High School or an equivalent examination in English only (name of examination should be given) .. ..________________
6. †Name of the public examination passed in an oriental language or the advance language examination conducted by the department (a copy of the certificate of the examination passed duly attested by the countersigning officer should be attached) ..________________
7. Name of the University, Department or other authority holding the oriental examination which the candidate has passed .. ..________________
8. If serving as a teacher, name of the institution in which he is serving ..________________
9. Arrangements made for the study of English .. .. ..________________
10. Language from which translation is to be made in the English third paper .. . ________________

(Signature of candidate in full)

(a) Female candidates must write "Miss" or "Mrs" before their names

Provinces.

Roll No. ——

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

For private candidates who are appearing in English only under Regulation 7, Chapter XIV.

0 P INTERMEDIATE EXAMINATION, APRIL 1931 0 P

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than January 7, 1931.

APPLICATION.

To

THE SECRETARY,

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES, ALLAHABAD,

SIR,

I REQUEST permission to present myself at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces, in English only.

* The prescribed fee has been credited into the Government Treasury (*vide* Treasury chalan no ——, dated——————, enclosed herewith).

I am, etc ,

Address :—

————————

———————— *Private Candidate.*

[Name to be written in full and clearly]

---

*Instructions contained in the letter of permission should be strictly followed.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full)(a) .. .. ..__________
2. Date of birth (date, month and year to be entered here and not month and year only) .. .. ..__________
3. Name of father .. .. ..__________
4. Name of guardian .. ..__________
5. Race (i.e., nation, tribe, etc.) ..__________
6. Religion .. .. ..__________
7. District and town where resident .__________
8. Length of residence in the United Provinces .. .. .__________
9. Date of passing the High School or an equivalent examination in English only .. .. ..__________
10. Vernacular from which translation is to be made into English in English third paper .. .. ..__________
11. Whether permitted by the Board to appear as a private candidate, number and date of the letter in which such permission has been granted to the candidate should be quoted here ..__________
12. †Where to be examined .. ..__________

(Signature of candidate in full.)

(a) Female candidates must write "Miss" or "Mrs." before their names.

†The following places are the centres of examination:—Dehra Dun, Meerut, Khurja, Agra, Bareilly, Moradabad, Chandausi, Etawah, Cawnpore, Allahabad, Jhansi, Benares, Gorakhpur, Almora, Lucknow, Fyzabad.

The list of centres is subject to additions and alterations by the Board

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination of 1931 will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them while sitting to answer their papers, any books, notes or papers, whatever.

5.—The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it

6.—All candidates are required to provide their own pens. Blotting paper will be supplied in the answer books

7.—Candidates must obey any instructions they receive from the officer incharge of the Examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of Rs. 2

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them

11.—Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette.* No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette* in which the result will be published, he should apply for it to the Superintendent, Government Press Allahabad

A. C MUKERJI, M A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD

The 18th March, 1931

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full)(*a*) .. .. ..————————
2. Date of birth (date, month and year to be entered here and not month and year only) .. .. ..————————
3. Name of father .. .. ..————————
4. Name of guardian .. .————————
5. Race (i.e., nation, tribe, etc.) ..————————
6. Religion .. .. ..————————
7. District and town where resident .————————
8. Length of residence in the United Provinces .. .. ..————————
9. Date of passing the High School or an equivalent examination in English only .. .. ..————————
10. Vernacular from which translation is to be made *into* English *in* English third paper .. .. ..————————
11. Whether permitted by the Board to appear as a private candidate, number and date of the letter in which such permission has been granted to the candidate should be quoted here ..————————
12. †Where to be examined .. ..————————

(Signature of candidate in full.)

————————

(*a*) Female candidates must write "Miss" or "Mrs." before their names.

†The following places are the centres of examination.—Dehra Dun, Meerut, Khurja, Agra, Bareilly, Moradabad, Chandausi, Etawah, Cawnpore, Allahabad, Jhansi, Benares, Gorakhpur, Almora, Lucknow, Fyzabad.

The list of centres is subject to additions and alterations by the Board.

RULES FOR THE GUIDANCE OF CANDIDATES

1.—The dates and the hours of the Intermediate Examination of 1931 will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them while sitting to answer their papers, any books, notes or papers, whatever.

5.—The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens. Blotting paper will be supplied in the answer books.

7.—Candidates must obey any instructions they receive from the officer incharge of the Examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of Rs 2.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the *result in Part IV of* the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette* in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD:
The 18th March, 1931.

A RTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) (a) .. ..
2. Date of birth .. ..
3. Name of father .. ..
4. Name of guardian .. ..
5. Race (i e., nation, tribe, etc.) ..
6. Religion . .. ..
7. District and town or village where resident .. .. ..
8. Length of residence in the United Provinces .. ..
9. Date of passing the High School or an equivalent examination, together with the name of the examination passed .. ..
10. Language from which translation is to be made into English in English 2nd paper (to be filled in the case of candidates to be examined on the syllabus prescribed for the examination of 1931) .. . ..
11. Optional subject .. ..
12. (a) Whether eligible for compartmental examination, if so, the name of the subject .. ..
(b) The year of the examination on the result of which he was declared eligible for compartmental examination .. .. ..
(c) Subjects offered in the year referred to in (b) .. ..
13. Whether he appeared at the Commercial Diploma Examination or Intermediate Examination in Commerce of any previous year; if so, the year in which appeared ..

(Signature of candidate in full.)

(a) Female candidates must write "Miss" or "Mrs" before their names.

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination in Commerce of 1931 will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers, *any books, notes or papers whatever.*

5.—The answers must be written on one side of the page only; the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7.—Candidates must obey any instructions they receive from the Officer in charge of the examination

8.—Candidates must produce their admission cards when demanded

9.—A duplicate copy of the admission card is issued on payment of two rupees.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them

11.—Candidates must await the publication of the result in the *United Provinces Government Gazette.* No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette,* in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD:
The 25th March, 1931.

This form is intended for private candidates appearing at the Board's Intermediate Examination in Commerce for the first time.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

CERTIFICATE.

(This certificate should be signed by the forwarding officer specified in the margin and by no person on his behalf except in special circumstances and for reasons to be recorded on the certificate.)

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the Intermediate Examination in Commerce, that he/she has not been studying and will not be studying at an educational institution of any kind during the academical year preceding the examination at which he/she desires to appear, that he/she has signed the above application in my presence, that I believe the sub-joined account to be true; and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I recommend that he/she may be allowed to appear at this examination as a private candidate.

* This certificate should be signed by—
(1) the Divisional Inspector of schools,
(2) the Chief Educational Officer of the Indian State where the candidate resides, or
(3) the head of a recognized educational institution provided that in the last case it is countersigned by the officer specified in (1) and (2) above.
In the case of a female candidate the certificate may be signed and the application forwarded by the head of any institution recognized by the Board.

*Name——————————

Designation——————————

Station——————————

The——————————1930.

N.B.—(1) *The forwarding officers should not forward applications received in their offices after the date prescribed, except for special reasons recorded and on the special recommendation of the forwarding officer.

(2) The countersigning officer should assure himself that the applicant has given the full particulars required in the application, and has attached to the application the necessary certificates.

(3) The countersigning officer should keep in his office the addresses of the candidates whose applications he forwards.

(4) Regulations contained in Chapters XII and XV of the Board's Regulations may be consulted.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) (a) .. ..——————

2. Age (at the time of submitting this application) .. .. ..——— years——— months———

3. Place of residence .. ..——————

4. Length of residence in the United Provinces .. .. ..——————

5. Date of passing the High School or an equivalent Examination (name of examination should be given) ..——————

6. Subjects taken in the High School or equivalent Examination.. ...——————

7. . ——————

attached) .. ..——————

8. Optional subject now offered (Stenotyping or Elements of Banking or Elements of Industrial organization or Mathematics) .. ..——————

9. Whether teacher or inspecting officer——————

10. School in which or educational authority under whom employed ..——————

(Signature of candidate in full)

(a) Female candidates must write "Miss" or "Mrs" before their names)

NOTES—1 Failure to comply with all the conditions or to give full particulars of information required may entail rejection of application

2 Candidates appearing for the first time from beyond the territorial jurisdiction of the Board must give adequate reasons for their taking the United Provinces Board's Examination Age-limit or other restriction imposed by the Local University or Examining Authority will be equally enforced by the United Provinces Board, in the case of such candidates even although United Provinces candidates are free from such restriction.

3 Permission to appear as private candidates at the next Intermediate Examination in Commerce will not be granted to candidates who have failed to obtain promotion to the highest class of any Intermediate college (i.e. to those who have been detained in class XI).

4. Candidates shall not be allowed to offer for their examination any subject even if the subject is recognised for the examination which is not being taught in a recognised institution or in which no institution is recognised

This form is intended for those appearing as Private Candidates after having failed at the Intermediate Examination in Commerce of the Board.

NOTE.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION.

UNITED PROVINCES.

F/P INTERMEDIATE EXAMINATION IN COMMERCE, 1931. F/P

This application must reach the office of the forwarding officer not later than September 24, 1930, and the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than October 1, 1930 Application received in the Board's office not countersigned will be deposited

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear as a private candidate at the ensuing Intermediate Examination in Commerce of the Board of High School and Intermediate Education, United Provinces. I declare I have not been studying and shall not be studying at an educational institution of any kind during the academical year preceding the examination at which I desire to appear.

The full address of the candidate to be given here————————

I am, etc ,

————————

————————

(The candidate should sign the application in the presence of the forwarding officer.)

CERTIFICATE.

(This certificate should be signed by the forwarding officer specified in the margin and by no person on his behalf except in special circumstances and for reasons to be recorded on his certificate.)

This certificate should be signed by—
(1) the Divisional Inspector of Schools,
(2) the Chief Educational Officer of the Indian State where the candidate resides, or
(3) the head of a recognised educational institution, provided that in the last case it is countersigned by officer specified in (1) and (2) above.
In the case of a female candidate the certificate may be signed and the application forwarded by the head of any Institution recognized by the Board.
In the case of a failed candidate the head of the institution in which the candidate last studied may sign the certificate and forward the application.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the Intermediate Examination in Commerce; that he/she has not been studying and will not be studying at an educational institution of any kind during the academical year preceding the examination at which he/she desires to appear; that he/she has signed the above application in my presence; that I believe the subjoined account to be true, and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I recommend that he/she may be allowed to appear at this examination as a private candidate.

**Name*——————————

Designation ——————————

Station ——————————

The——————————1930.

N.B.—*(1) The forwarding officers should not forward applications received in their offices after the date prescribed, except for special reasons recorded and on the special recommendation of the forwarding officer.

(2) The countersigning officer should assure himself that the applicant has given the full particulars required in the application and has attached to the application the necessary certificates.

(3) The countersigning officer should keep in his office the addresses of the candidates whose applications he forwards.

(4) Regulations contained in Chapters XII and XV of the Board's Regulations may be consulted

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) (a) .. ..
2. Age (at the time of submitting this application) . .. ..
3. Place of residence .. ..
4. Length of residence in the United Provinces . .. ..
5. Date of passing the High School or an equivalent Examination (name of examination should be given)
6. Subjects taken in the High School or equivalent Examination .
7. (a) School or college last attended ..
   (b) Date of leaving class in which the candidate read (Scholar's Register or *Transfer Certificate* should be attached) .. ..
8. Optional subject now offered (Steno-typing or Elements of Banking or Elements of Industrial organization or Mathematics) ..
9. In the case of failed candidates, date of last appearing at the Commercial Diploma Examination or Intermediate Examination in Commerce .
10. Optional subject offered at last appearance at the Examination ..
11. Subjects in which the candidate failed
12. Whether declared eligible for Compartmental Examination, if so—
    (i) in what subject ?
    (ii) in what year of examination ?

Signature of candidate in full.

(a) (Female candidates must write "Miss" or "Mrs" before their names)

NOTES —1 Failure to comply with all the conditions or to give full particulars of information required may entail rejection of application

2 Private candidates may change their subjects of examination from those previously offered by them, if more than one year has elapsed since their last appearance at the examination, they will not be required to give any reasons for the change

3 Private candidates who appeared and failed at an examination immediately prior to the submission of their application and desire to offer for the next examination subjects other than those previously offered must give an adequate explanation of the change and show that they can satisfactorily complete the course of study in the new subjects

4. Candidates shall not be allowed to offer for their examination any subject even if the subject is recognised for the examination which is not being taught in a recognised institution or in which no institution is recognised

Roll no.————

For Private Candidates only.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

P **INTERMEDIATE EXAMINATION IN COMMERCE, APRIL, 1931.** P

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, not later than January 7, 1931.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Intermediate Examination in Commerce of the Board of High School and Intermediate Education, United Provinces.

*The prescribed fee has been credited into the Government Treasury (*vide* Treasury chalan no.————dated————enclosed herewith).

I am, etc.,

Address ————

————

Private candidate.

(Name to be written in full and clearly.)

* Instructions contained in the letter of permission should be strictly followed

CERTIFICATE.

(This certificate should be signed by the forwarding officer specified in the margin and by no person on his behalf except in special circumstances and for reasons to be recorded on the certificate.)

* Ti
(1)
(2)

(3)

Board
In the case of a failed candidate the head of the institution in which the candidate last studied may sign the certificate and forward the application.

he/she has signed the above application in my presence and that I believe the subjoined account to be true

I further certify that the candidate has paid the prescribed fee.

* *Name* ——————————

Designation——————————

Station——————————

The—————————1930

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*This certificate should be signed by the same officer who forwarded the candidate's previous application

(a) The forwarding officer is particularly requested to inspect each candidate's original certificate of passing the previous examination

N B —(1) The forwarding officers should not forward applications received in their offices after the date prescribed, except for special reasons recorded and on the special recommendation of the forwarding officer

(2) The countersigning officer should assure himself that the applicant has given the full particulars required in the application

(3) The countersigning officer should keep in his office the addresses of the candidates whose applications he forwards

(4) Regulations given in Chapters XII and XV of the Board's Regulations may be consulted

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

P INTERMEDIATE EXAMINATION IN COMMERCE, 1931. P

ADMISSION CARD.

(All the entries except those for roll number and centre should be filled up in the office of the forwarding officer.)

Admit____________________________________

(Roll no __________________) of_______________________

________________________to__________________Centre

A. C. MUKERJI, M A, RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD:
The 15*th March*, 1931.

Issued on__________________________1931

Address of the candidate to be given here__________

____

____

____

Signature and designation of forwarding officer.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

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1. Name (in full) (a) .. ..————————
2. Date of birth .. .————————
3. Name and occupation of father .. { Name ———— / Occupation————
4. Name of guardian . ..————————
5. Race (i.e., nation, tribe, etc.) .————————
6. Religion .. .————————
7. District and town or village where resident .. .. ————————
8. Length of residence in the United Provinces ————————
9. Date of passing the High School or an equivalent examination, together with the name of the examination passed . .————————
10 Language from which translation is to be made into English in the 2nd English paper (to be filled in the case of candidates to be examined on the syllabus prescribed for the examination of 1931) ————————
11. Optional subject .————————
12. (a) Whether eligible for compartmental examination; if so, the name of the subject .————————

    (b) The year when first failed and declared eligible for the compartmental examination ..————————

    (c) Optional subject offered in the year referred to in (b) .————————
13 Whether permitted by the Board to appear as a private candidate, if so, the number and date of the letter in which permission has been granted————————
14. *Where to be examined . .————————

(*Signature of candidate in full.*)

(a) (Female candidates must write "Miss" or "Mrs" before their names)

* ... College, Agra, Lucknow Christian ... Cawnpore, D A-V College, Cawnhandausi, Meerut College, Meerut, ... Intermediate College, Allahabad,

The list of centres is subject to additions and alterations by the Board.

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination in commerce of 1931, will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidates will be admitted.

3.—A seat marked with his roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5.—The answers must be written on one side of the page only; the other side may be used for rough work, and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7.—Candidates must obey any instructions they receive from the officer in charge of the examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of two rupees.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of the *Government Gazette* in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD:
March 15, 1931.

Roll no.____________

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

INTERMEDIATE EXAMINATION IN AGRICULTURE, APRIL, 1931.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than January 7, 1931.

APPLICATION

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Intermediate Examination in Agriculture of the Board of High School and Intermediate Education, United Provinces

The prescribed fee has been paid

I am, etc ,

*Student*________________________*College.*

(Name to be written in full and clearly.)

CERTIFICATE.

This certificate is to be signed by the Principal of the College

I CERTIFY that the above-named candidate has satisfied me* that he has passed the Board's High School Examination or an examination equivalent thereto; that I know nothing against his character which ought to exclude him from this examination; that he has attended a regular course of study at this College in each and all of the subjects offered; that he has paid the prescribed examination fee, and that I believe the subjoined account to be true

*Name*____________________

*Principal*____________________

____________________*College.*

*Dated*________________1930.

* The forwarding officer is particularly requested to inspect each candidate's original certificate of passing the previous examination.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

INTERMEDIATE EXAMINATION IN AGRICULTURE, 1931.

ADMISSION CARD.

(All the entries except those for roll number and centre should be filled up in the office of the Principal.)

Admit____

(Roll no.________________) of____________________College

______________________to____________________Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces

ALLAHABAD:
March 25, 1931.

Issued on____________________________1931.

*Signature*____________________________,

____________________________*Principal.*

____________________________*College.*

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) (Miss or Mrs. must be written before the names of women candidates) ..____________
2. Date of birth .. ..____________
3. Name of father .. ..____________
4. Name of guardian .. ..____________
5. Race (i.e., nation, tribe, etc) ..____________
6. Religion .. . .____________
7. District and town or village where resident .. ..____________
8. Length of residence in the United Provinces .. ..____________
9. Date of passing the High School or an equivalent examination, together with the *name* of the examination passed .____________
10. Language from which translation is to be made into English in the first English paper .. -____________
11. The name of the optional subject____________
12. (*a*) Whether eligible for compartmental examination; if so, the name of the subject .____________

    (*b*) The year of the examination on the result of which he was declared eligible for compartmental examination ____________

    (*c*) Subjects offered in the year referred to in (*b*) .____________
13. Whether he appeared at the Intermediate examination in Agriculture of any previous year, if so, the year in which appeared .. .____________

(Signature of candidate in full.)

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination in Agriculture, 1931, will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them while sitting to answer their papers any books, notes or papers whatever.

5.—The answers must be written on one side of the page only; the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7.—Candidates must obey any instructions they receive from the officer in charge of the examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of Rs. 2.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette* in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD:
March 25, 1931.

(3) Forms of certificates awarded to successful candidates at the Board's examinations.

No. ______

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

HIGH SCHOOL EXAMINATION, 1931.

Roll no. ______

This is to certify that ______ born on ______ ______, passed the High School Examination, 1931, from the ______ ______, held in the month of April, 1931, in the following subjects :—

1. English.
2. Mathematics.
3. ______
4. ______
5. ______

with distinction in—— ______
and was placed in the— ______Division.



M A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD :
June 27, 1931.

No. ______

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES

INTERMEDIATE EXAMINATION, 1931.

Roll no. ______

This is to certify that ______________________________

of ______________________________

____

passed the Intermediate Examination held in the month of April, 1931, in the following subjects :—

1. English Literature.
2. ______
3. ______
4. ______

with distinction in ______________________________
and was placed in the ______________ Division.



M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD :
June 27, 1931.

No.______

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

INTERMEDIATE EXAMINATION IN COMMERCE, 1931.

Roll no. ______

I certify that—____
____of
____

passed the Intermediate Examination in Commerce, held in the month of April, 1931, and was placed in the______________________ Division with distinction in______________________

The subjects in which he was examined were English, Book-keeping and Accountancy; Business Methods and Correspondence; Elementary Economics and Commercial Geography and—______________________



M A , RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD
June 27, 1931.

No.______

BOARD OF HIGH SCHOOL AND INTERMEDIAT EDUCATION,

UNITED PROVINCES.

INTERMEDIATE EXAMINATION IN COMMERCE, 1931.

SUPPLEMENTARY.

Roll no.________

I certify that____

____

____

passed the Intermediate Examination in Commerce, held in the month April, 1931, and was placed in the______________________________ Division with distinction in______________________________________

The subjects in which he was examined were English, including Corr spondence; Book-keeping and Accountancy; Business Methods ar Elementary Economics and____________________________________



M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD:
June 27, 1931.

No. ______

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

INTERMEDIATE EXAMINATION IN AGRICULTURE, 1931.

Roll no. ______

I certify that ______
of ______
______
passed the Intermediate Examination in Agriculture, held in the month of April, 1931, and was placed in the ______ Division with distinction in ______

The subjects in which he was examined were English Literature, Chemistry, Physics, Botany, and Zoology Physical properties of soil, Soil Geology, Climatology and Elements of Plant Feeding, Principles of Manuring, Principles of Irrigation and Drainage and ______



M A, RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD,
June 27, 1931

(4) Form of application for Examinership for the Board's Examinations.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES

FORM OF APPLICATION FOR EXAMINERSHIP.

Name ____________________

Designation ____________________

Address ____________________

Academic qualifications ____________________

Experience as Teacher ____________________

Previous experience as Examiner ____________________

Examination for which the applicant desires to examine ____________________

Subject in which the applicant desires to examine. (Only one subject and one examination to be mentioned on one form) ____________________

Recommendation of the Head of the Institution or some other person who knows the applicant well ____________________

Dated ____________________ *Signed* ____________________

The ____________________ 19

NOTES —(1) The recommendation given above is all that the applicant need send up. Any further communication, direct or indirect, with members of Committees or of the Board is disallowed.

(2) Persons who acted as Examiners for the previous year need not submit a fresh application

(3) This application form should reach the Secretary of the Board not later than January 15 The receipt of the application form will be acknowledged, but no other correspondence in this connection will be attended to

(4) The applicant should also state whether he is competent to mark answer-books written in Urdu or Hindi.